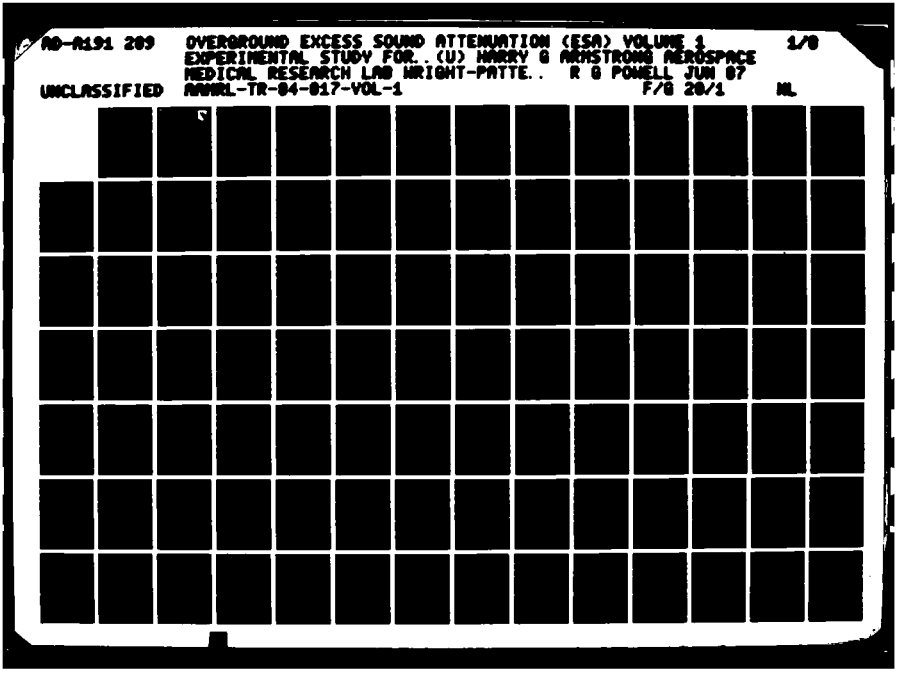
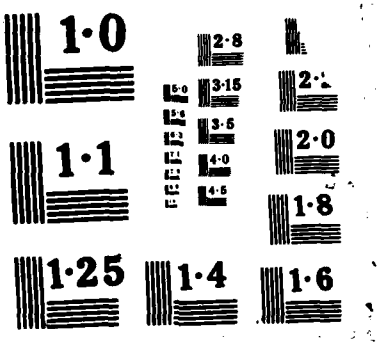

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AAMRL-TR-84-017
Volume 1

OVERGROUND EXCESS SOUND ATTENUATION (ESA)

Volume 1. Experimental Study For Flat Grassy Terrains

Robert G. Powell

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June 1987

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ARMSTRONG AEROSPACE MEDICAL RESEARCH LABORATORY
HUMAN SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
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AAMRL-TR-84-017 Vol. 1

This report has been reviewed by the Office of Public Affairs (PA) and is releasable to the National Technical Information Service (NTIS). At NTIS, it will be available to the general public, including foreign nations.

This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER

Henning E. von Gierke

HENNING E. VON GIERKE, Dr Ing
Director
Biodynamics and Bioengineering Division
Armstrong Aerospace Medical Research Laboratory

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This is Volume 1 of a 3 volume series concerning overground excess sound attenuation, ESA, i.e. all attenuation in excess of air absorption and inverse square law effects. All three volumes concern a 15-month study conducted at Wright-Patterson Air Force Base, Ohio, over flat, grassy terrain. Volume 1 describes the study and presents the acoustic and meteorological data base that Volumes 2 and 3 use to formulate ESA functions. The study is described in terms of propagation path, instrumentation, reference noise levels, data acquisition techniques, calibration procedures, the noise source and its location. A large portion of this report is devoted to two appendices. Appendix A contains one-third octave band sound pressure levels, overall and A-weighted levels for 415 events.

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Block 19. - Abstract (Continued)

The noise data come from 10 microphones spaced along a 2400 M propagation path. Appendix B lists one-third octave band, overall and A-weighted ESA values in dB. Also included in this appendix are measures of temperature, relative humidity, wind velocit wind vector relative to source-receiver position, temperature and wind gradients, and meteorological observations. The data in this volume was used to develop a new USAF ESA model which is presented in Volume 3.

PREFACE

This research and report were accomplished by the Armstrong Aerospace Medical Research Laboratory at Wright-Patterson Air Force Base, Ohio, under Project/Task 723107, "Technology to Define and Assess Environmental Quality of Noise From Air Force Operations."

The author gratefully acknowledges the assistance of: (1) AAMRL personnel: Lt. Thomas Rau for his assistance in acquiring and analyzing the noise and meteorological data, Mr. John Cole for his assistance in developing data processing programs, Mr. Harald Hille for his assistance in equipment preparation; (2) Mr. John Means of the 4950th Test Wing for his assistance in directing the field tests and orientation of pilots; and (3) University of Dayton Research Institute personnel: Mr. Keith Kettler, whose effort towards assuring equipment preparedness and calibration were especially appreciated; Mr. Henry Mohlman and Mr. Fred Lampley for their assistance in software development and data reduction; and Mrs. Charlene Dunson and Ms. Sandra Schwarber for their typing, proof reading and editing of this report.

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INTRODUCTION

The Armstrong Aerospace Medical Research Laboratory (AAMRL, formerly Air Force Aerospace Medical Research Laboratory, AFAMRL) is responsible for developing technical procedures to predict noise in communities resulting from military aircraft operations. The predictions procedure established by AAMRL and used Air Force-wide (and by the Navy/Marine Corps, others) is a computer program, NOISEMAP, and associated datafile, NOISEFILE (References 1 thru 7). Using the noise characteristics of each aircraft in NOISEFILE along with operational data from each base (e.g. type and number of aircraft, flight paths, power settings) and knowledge of yearly meteorological conditions, NOISEMAP predicts equal noise exposure contours around an airbase in terms of day-night average sound levels and other psychoacoustic metrics. AAMRL continues to conduct research to improve the scope and accuracy of these NOISEMAP/NOISEFILE procedures.

One such improvement needed is in modeling excess sound attenuation for the overground propagation of noise (References 2, 8 and 9). Excess sound attenuation (ESA) is the attenuation of sound in excess of that caused by geometrical divergence and atmospheric absorption. Some of the factors contributing to ESA are: (1) temperature and wind gradients (refraction); (2) wind vector relative to source (up and down wind propagation); (3) ground cover such as concrete or grass (reflection and absorption); (4) wind turbulence (scattering); and (5) obstacles such as hangars or apartment buildings (shielding). The ESA model presently used in NOISEMAP/NOISEFILE for the prediction of community noise is from work done in 1967 under a NASA contract (Reference 10). The AAMRL ESA study was undertaken to improve or verify this NASA model (which has a small data base and gives large variance in predicted values) and, if practical, determine ESA as a function of ground cover/meteorology for each airbase. Because of contouring problems in NOISEMAP, the customizing of

ESA functions to specific airbases was not practical and was therefore not an objective.

The approach for this study was to acquire meteorological and noise data on a great number of aircraft ground runups where the sound propagation paths were along typical airbase terrain, i.e. grassy, flat ground. Many noise samples were acquired in one and two hour block segments where most test parameters remained constant while others varied as monotonic functions. The calculated ESA values for closely spaced runups (time-wise), show that meteorology (wind/temperature profiles), ground cover, and possibly slight ground undulations play a critical role in defining ESA. NOISEMAP, on the other hand, requires average ESA values to describe an average noise exposure. Thus AAMRL personnel designed an ESA study that would be used to obtain statistically significant (average) ESA values and at the same time provide high quality noise data with some weather data that approaches micro-meteorological measurements.

The results of this research effort are presented in a multivolume report. This volume, Volume 1, presents all of the measurements (noise, temperature, winds, etc.), observations (cloud cover/fog) and calculated ESA values during this 15-month study. Volume 2 (Reference 11) presents a statistical analysis of this ESA data and compares results to theoretical predictions and other ESA studies. The final volume, Volume 3 (Reference 12) discusses different models and algorithms for computing ESA and recommends a new NOISEMAP/NOISEFILE ESA algorithm based on this ESA study for moderate downwind conditions.

In most acoustic experiments, especially those conducted outdoors, the number of experimental parameters is many times larger than those controlled or measured. It's the control, measurement and (in some cases) measurement technique of the more significant parameters which: (1) dictates the allowable application of one set of results to another set of circumstances; (2) explains the deviation of the data; (3) determines the amount

of data to be acquired; (4) limits the phenomena that one is trying to explain; and/or (5) establishes the uniqueness of each study. This report describes which parameters were controlled, measurements taken, equipment accuracy and measurement techniques. The ultimate results of this study (Volume 3, Reference 12) are applicable to NOISEFILE/NOISEMAP but might not be appropriate for application to other data bases.

The many pages of data presented herein were only made practical by use of several specially-developed computer programs. These programs are an integral part of this whole ESA study and, as such, their value to other experiments is questionable. For this reason they are not being published but individual or organizational requests for additional information concerning them will be entertained. Send such request to AAMRL/BBE, Wright-Patterson Air Force Base, Ohio 45433 - or call (513) 255-3605.

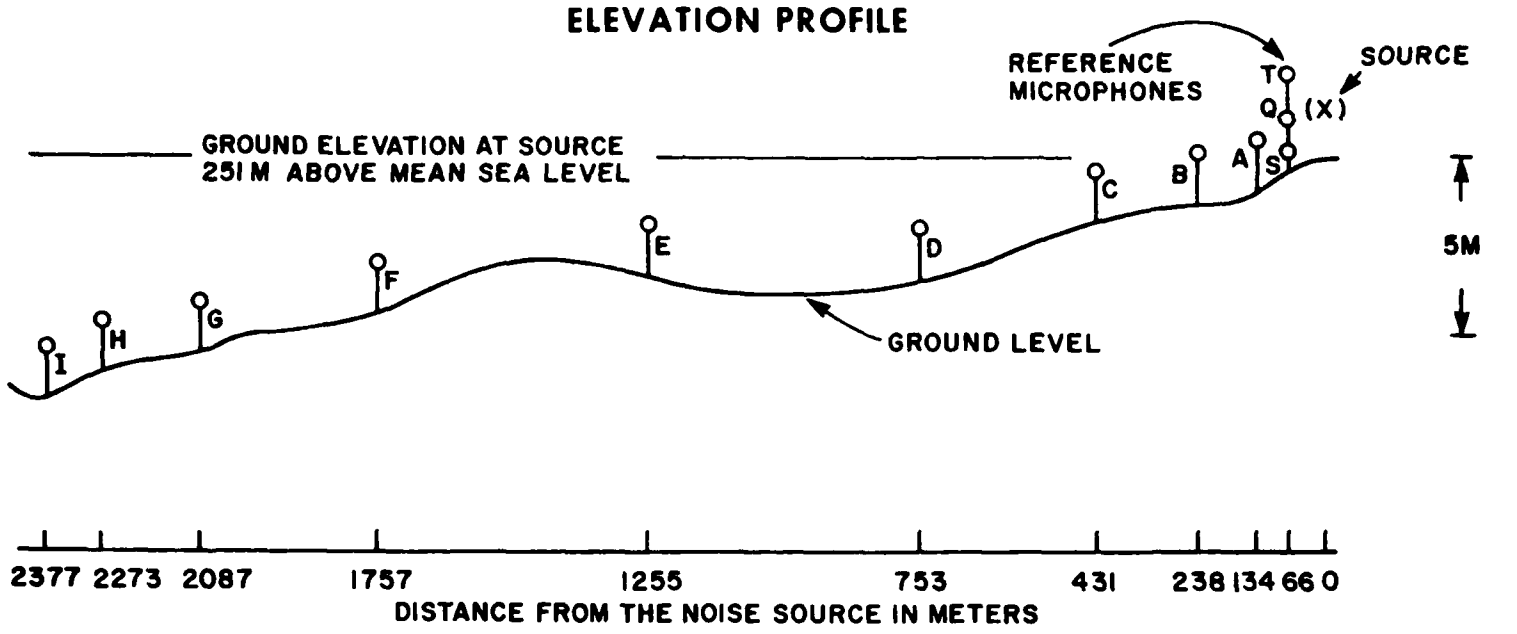
FIELD TESTS AND INSTRUMENTATION

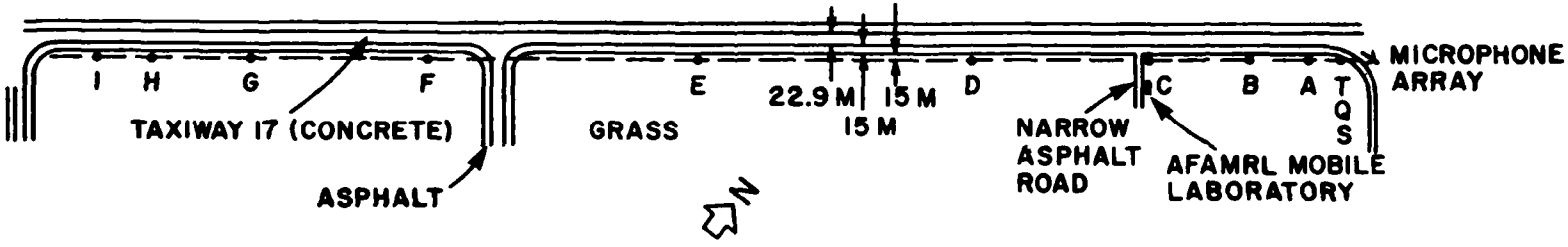
This section is divided into several subsections describing the test site, noise source, microphones, Mobile Acoustic Laboratory, REMOTEPAKs and meteorological equipment. Comments are also given in some subsections concerning why certain procedures/techniques were used in this study.

Test Site

The test site was 2400 m (7900 ft) segment of flat grassy terrain along Taxiway 17 of Patterson Field in the Wright-Patterson Air Force Base complex. At this particular site (Figures 1 and 2) aircraft could perform engine runups at either end of a microphone array. This test feature provided a simple means of acquiring up and down-wind noise data while other test parameters remained nearly constant. In the plan view of Figure 1 the aircraft is in position to run its inboard right engine, engine number 3, at maximum power for an ESA event. After one or more events the aircraft taxied forward 300 m (1,000 ft) to the runway and took off for a flight mission or taxied down the runway and set up for an ESA test at the other end of the microphone array (Figure 2). Similarly, some of the aircraft that landed taxied to the runup area in Figure 2 and ran up engine 3 for another event.

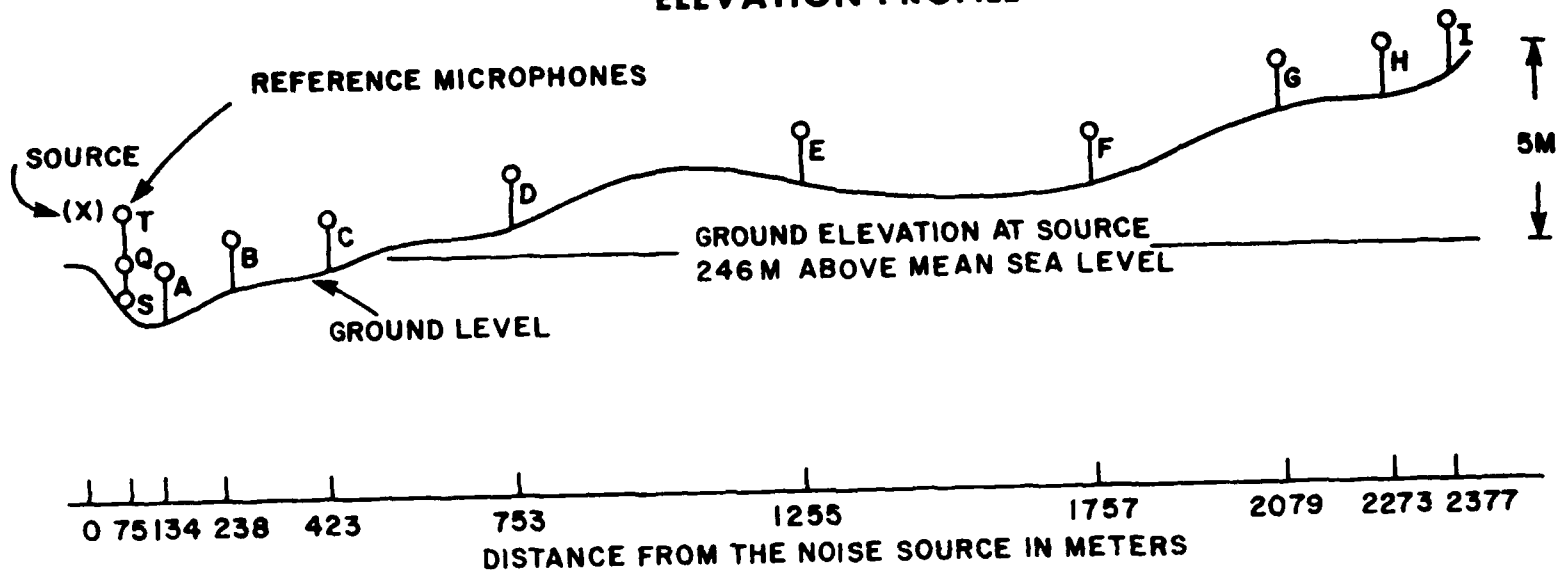
The propagation path between the reference microphones (T, S, and Q) and all other microphones (A through I) were covered with grass except the narrow asphalt road and one taxiway. The elevation profile shown in these figures appears to have large land fluctuations which were really insignificant when viewed on-site. This elevation exaggeration is in part just that, i.e., the vertical scale in Figures 1 and 2 is 70:1 compared to the horizontal scale. Another fact not apparent when on-site is that the airstrip has a difference in elevation between one end of the runway and the other. This difference is greater than the 5 m (16.4 ft) shown for the segment used for the ESA tests. The terrain from source to all microphones was fairly flat and grassy

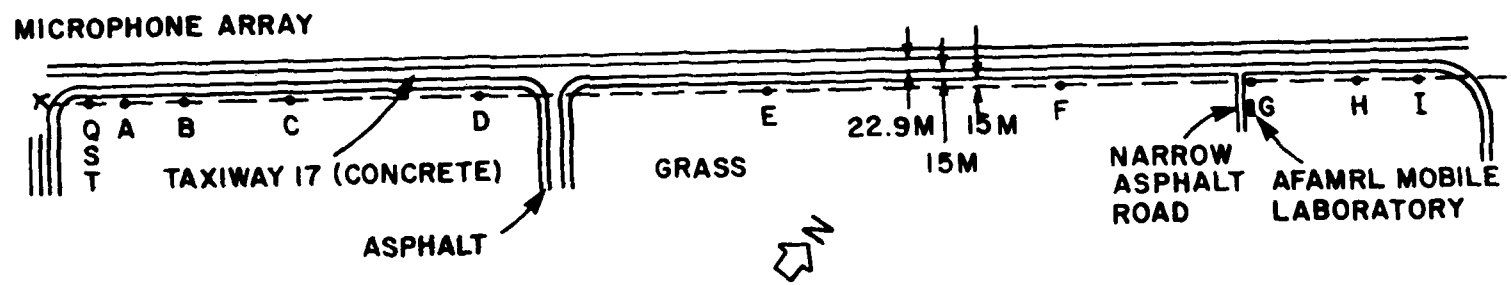

ELEVATION PROFILE
REFERENCE MICROPHONES
SOURCE
T
Q
(X)
S
GROUND ELEVATION AT SOURCE
251 M ABOVE MEAN SEA LEVEL
A
B
C
D
E
F
G
H
I
GROUND LEVEL
5M
2377 2273 2087 1757 1255 753 431 238 134 66 0
DISTANCE FROM THE NOISE SOURCE IN METERS


I H G F E 22.9 M 15 M D C B A T Q S
MICROPHONE ARRAY
TAXIWAY 17 (CONCRETE)
ASPHALT
GRASS
15 M
NARROW ASPHALT ROAD
AFAMRL MOBILE LABORATORY
N

PLAN VIEW

ELEVATION PROFILE





PLAN VIEW

(coarse grass), typical of many air bases. Most land deviations from the 5 M slope were man created to provide drainage for the summer thunderstorms that frequent this geographic area. The land was also fairly flat on either side of the propagation path and had no large reflecting surfaces within 1000 M of the path or noise source.

A problem with this and many other test sites was variation in background noise. Noise measurements from thirty-seven events were valueless because of high background level from unexpected engine trimming operations, helicopter activity or takeoff/landing operations. All data presented herein are void of background noise as explained in the DATA RESULTS section of this report.

Noise Source

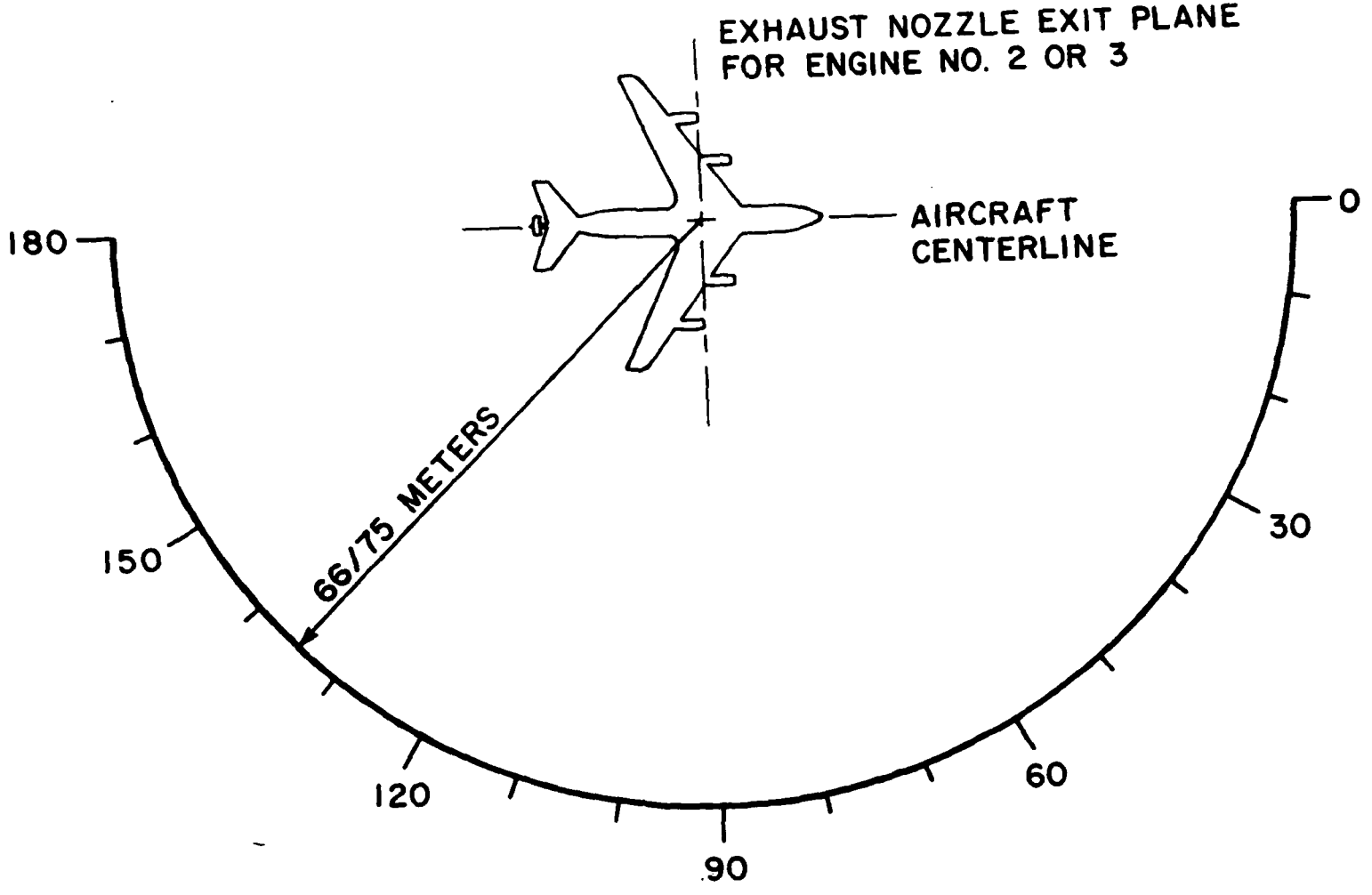
Three noise sources were available for the ESA study. The C-135A aircraft with its 13,500 pounds thrust J57-P-59 turbojet engines was the noisiest and easiest to obtain; and therefore it was used 98 percent of the time. The other two noise sources used were the C-135B aircraft with its 18,000 pounds thrust TF33-P-5 turbofan engines and the C-141B with its 21,000 pounds thrust TF33-P-7s. Up to event number 101, flight scheduled aircraft were used as the noise source and, as such, all three aircraft were employed in our tests. Because of scheduling and background noise problems all events from 101 and upward used dedicated C-135As for the noise source. Of the 415 events used in the database only eight were from C-135Bs or C-141s.

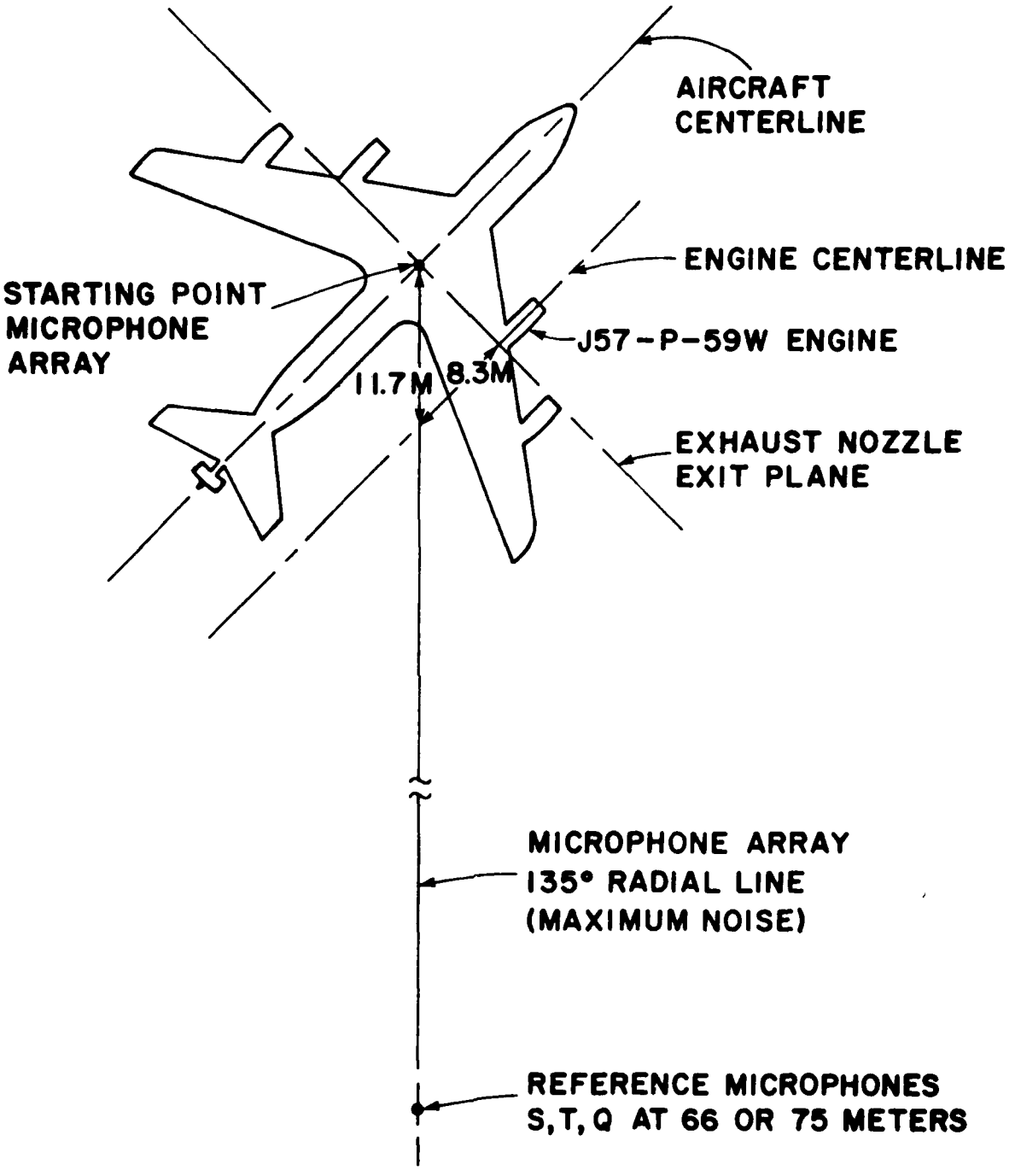
Another noise source parameter affecting how the noise is propagated is the height of the engine above the ground. Both the C-135A and B models have their engine centerline at 1.52M (5 feet) from the ground to the engine's centerline. On the C-141A this same measurement was 2.44M (8 feet).

The runup locations had special lines painted on the taxiways which the pilot followed to park his aircraft in the proper orientation for the ensuing event. These lines were used to: (1) orient the aircraft for maximum noise radiation along the microphone array, (2) permit the pilot to park the aircraft himself (as opposed to requiring a ground crew member to be an on-site flagman directing the parking), and (3) provide the maximum amount of concrete and asphalt between the noise source and the reference microphones.

As previously stated, this study was designed to derive ESA values applicable to the data acquired for NOISEFILE. To do this the aircraft was parked as if noise data were going to be acquired every 10 degrees as is done for NOISEFILE, Figure 3. In the ESA study, however, only one microphone location was on the semi-circle (maximum noise radiation, 135 degrees) with the rest of microphones extending outward on that same radial. A closer and more detailed view showing the relationship between aircraft centerline, engine centerline and exhaust nozzle exit plane of the inboard engines (numbers 2 and 3) is shown in Figure 4. ESA data derived from this configuration are directly applicable to the NOISEFILE data previously acquired on this aircraft.

After parking his aircraft and applying his brakes the pilot would stabilize engine #3 at maximum takeoff power. The engine stayed at this power setting (a minimum of 30 seconds) until instructed to reduce the power to idle. The overall noise level produced during any event was quite constant (usually ± 1 dB standard deviation) at the reference microphones. However, since the maximum takeoff power that the engine can produce is dependent upon air temperature the overall levels could change from day to day and sometimes from one hour to the next during rapid temperature changes. This played no role in determining ESA values; values calculated from the difference in noise levels between microphones.


EXHAUST NOZZLE EXIT PLANE
FOR ENGINE NO. 2 OR 3
AIRCRAFT
CENTERLINE
180
150
120
90
60
30
0
66/75 METERS


AIRCRAFT
CENTERLINE
ENGINE CENTERLINE
STARTING POINT
MICROPHONE
ARRAY
J57-P-59W ENGINE
11.7M
8.3M
EXHAUST NOZZLE
EXIT PLANE
MICROPHONE ARRAY
135° RADIAL LINE
(MAXIMUM NOISE)
REFERENCE MICROPHONES
S, T, Q AT 66 OR 75 METERS

Microphones

This section explains microphone location and designation, types of microphone systems and their installation and the technique used in acquiring reference noise data.

Location and Designation

Microphones were placed on a 135° radial line from the aircraft, Figure 4. This line is parallel to taxiway 17 and was independent of ground runup location, Figures 1 and 2. The reference microphones (designated as S,T and Q) were closest to the aircraft with other microphones spaced at 5 dB down locations (based on inverse square law only). Since both runup areas used the same straight-line microphone array, the microphones were more dense at the ends and the 5 dB down spacing stopped at the middle of the arrays. For computer storage/retrieval and record keeping, the arrays were numbered. Odd numbers (01,03,05) were given to the array when the aircraft was at the northeast runup area. The array numbers were changed when substantial instrumentation changes were made and to denote blocks of time. Thus, the odd numbered arrays were: (1) Array 01 from November 1979 to June 1980; (2) Array 03 from September 1980 to early October 1980; (3) Array 05 from mid December 1980 through February 1981. The even numbered arrays (02,04,06) designate an aircraft runup at the southwest area and covered the same respective time periods. An additional array, 08, was designated for a few events in September 1980 when the reference microphones were not working and replaced with a scanning microphone, Q (discussed later in this section).

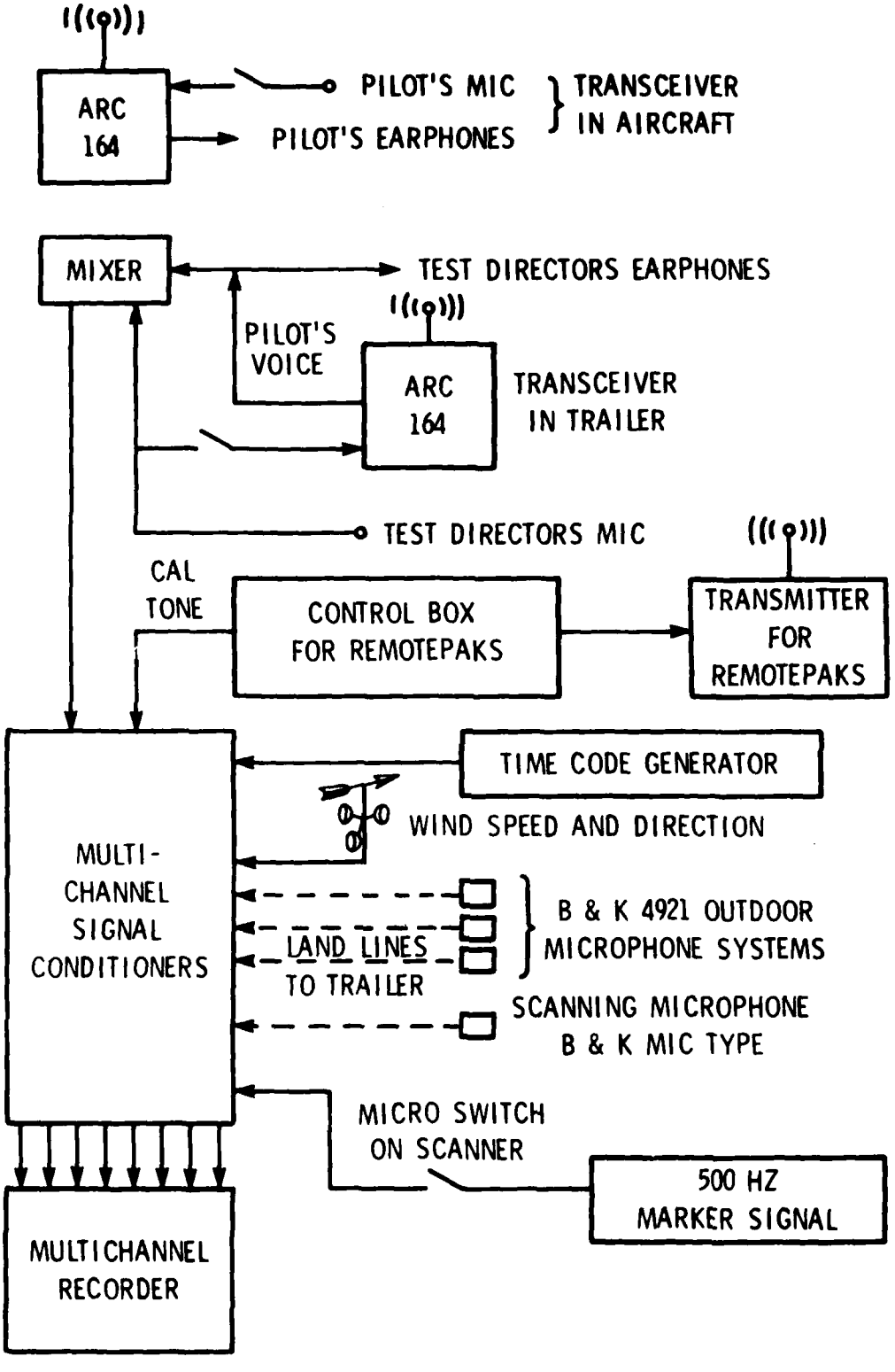
Types and Installation

Microphone systems A through I were Bruel and Kjaer outdoor systems type 4921 installed at a height of 1.5M (5 feet). Normal installation for these units is upright (for proper rain protection) which results in parallel incidence of the propagating wave from either noise source runup area. Microphones Q, used during a limited number of tests, were Bruel and Kjaer half inch type 4133 and were pointed at the noise source (perpendicular incidence). Microphones S and T were GENRAD half inch electret type 1962 installed in weatherproof enclosure type 9640. To maintain proper weatherproofing these were upright and therefore had parallel incidence. Microphone S was at 0.3M (1 foot) above ground level and T was at 2.4M (8 feet).

AAMRL Mobile Acoustic Laboratory

The AAMRL Mobile Acoustic Laboratory is a semi-trailer used for housing electronic equipment needed in field tests and commanding/coordinating field procedures required in such programs as this ESA study. A plastic dome and some radio antennas were installed on top of the trailer specifically for this study. These components allowed the Test Director to visually review the test site and coordinate events with the pilot. The trailer was parked close to the only transformer in the vicinity (Figures 1 and 2) and connected to a telephone line. Electronic equipment was installed as shown in Figure 5 . The next few paragraphs and the Field Measurement section discuss equipment used to acquire the noise data.

A special group of microphone, tape deck systems called REMOTEPAKs acquired noise and meteorological data at isolated locations. A REMOTEPAK is a radio controlled, battery powered, all weather microphone system with a built-in tape recorder. Each consisted of: (1) an FM receiver; (2) a tone burst sensitive control system such as used in push button telephones; (3) an automatic step attenuator; (4) an outdoor microphone system; (5)


ARC 164
PILOT'S MIC
PILOT'S EARPHONES
TRANSCEIVER IN AIRCRAFT
MIXER
TEST DIRECTORS EARPHONES
PILOT'S VOICE
ARC 164
TRANSCEIVER IN TRAILER
TEST DIRECTORS MIC
CAL TONE
CONTROL BOX FOR REMOTEPAKS
TRANSMITTER FOR REMOTEPAKS
TIME CODE GENERATOR
WIND SPEED AND DIRECTION
MULTI-CHANNEL SIGNAL CONDITIONERS
LAND LINES TO TRAILER
B & K 4921 OUTDOOR MICROPHONE SYSTEMS
SCANNING MICROPHONE B & K MIC TYPE
MICRO SWITCH ON SCANNER
500 HZ MARKER SIGNAL
MULTICHANNEL RECORDER

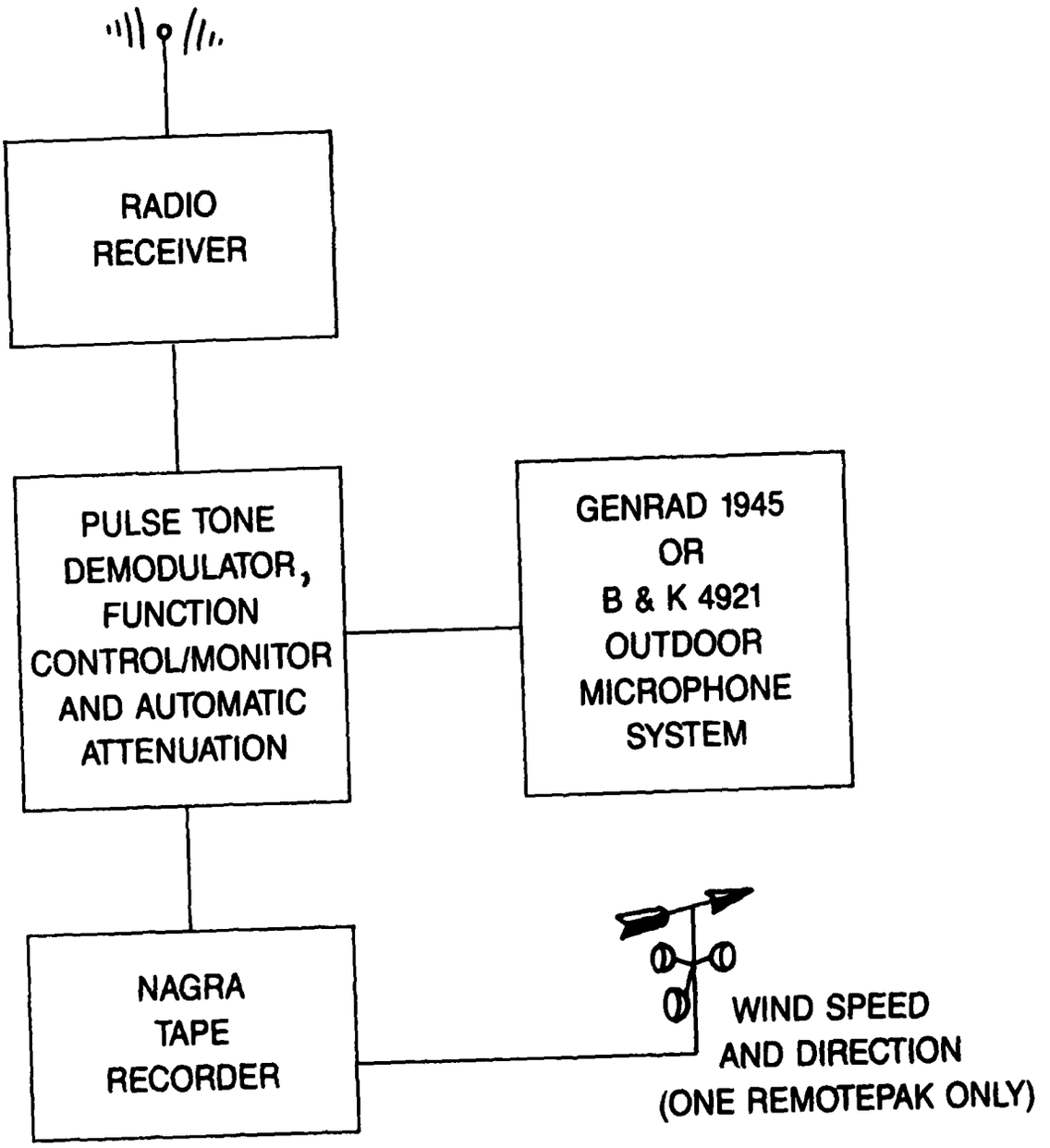
a tape recorder and (6) four each twelve volt rechargeable batteries. Figure 6 is a block diagram of a REMOTEPAK instrument.

The Test Director used a REMOTEPAK-control console and transmitter to record data with these units. Through this console he started the recorders, announced the event number, applied acoustic calibration signals, recorded electronic noise (shorted input), recorded noise data (including background noise before and after each engine runup), applied post calibration signals and stopped the tape decks. Each event recording lasted nearly one and half minutes and about 20 events were compiled on each tape. The REMOTEPAKs had enough battery power to last five days of testing. Under these conditions magnetic tapes were usually changed daily and batteries recharged weekly.

A noteworthy feature of the REMOTEPAK is its ability to automatically increase attenuation, in 10 dB steps, whenever the signal is high enough to overload the recorder. Except for a few automatic attenuation steps caused by high winds the attenuator only triggered the step attenuator as the engine power was coming up and stabilizing, i.e. the attenuation stepping was completed before the testing began. The total change in attenuation caused by this stepping was easily calibrated through the comparison of the pre and post calibration signals.

Meteorological Monitors

Temperature measurements were taken from temperature probes mounted on a 9.1 M (30 feet) tower near the Mobile Lab. Thermistors (Yellow Springs Instrument Company) installed at 0.3 M (one foot), 1.5 M (six feet) an 9.1 M (30 feet) on the tower were read to obtain temperature differences from near ground level to maximum allowable height in a Cleared Zone (a special zone on air bases where no permanent structures are allowed). The electronics and read out meters for these probes were in the Mobile Lab. Temperature measurements were announced twice on the


RADIO
RECEIVER
PULSE TONE
DEMODULATOR,
FUNCTION
CONTROL/MONITOR
AND AUTOMATIC
ATTENUATION
GENRAD 1945
OR
B & K 4921
OUTDOOR
MICROPHONE
SYSTEM
NAGRA
TAPE
RECORDER
WIND SPEED
AND DIRECTION
(ONE REMOTEPAK ONLY)

voice channel for each event: (1) as the engine was being established and (2) just before the engine power was reduced.

Wind speed and direction (Climatronics MK III) were recorded on magnetic tape. The number of components and their location and height varied during the study as listed in Table 1.

The humidistat (Thunder Scientific Corporation) was located near (within 10 feet) the temperature tower in a special rain/snow proof, screened-in housing at 1.5 M (five feet). Similar to the temperature probes, its electronics and read out meters were in the Mobile Lab, and the Test Director announced humidity on the voice channel during each event.

Meteorological measurements monitored by the Wright-Patterson Air Force Base meteorological staff were read hourly and are presented herein as a general part of the data base. Air temperature, dew point, barometric pressure, and wind direction and speed are presented in tabular form in Appendix B. Wind was monitored at 1.5 M (5 feet) and temperature at 3.0 M (9.8 feet) above the ground. This type of information is acquired at all air bases and is used to obtain monthly/seasonal statistics. If ESA values are made weather-dependent then these statistics would be used to help determine base-specific ESA values.

TABLE 1

INFORMATION REGARDING WIND SPEED AND DIRECTION MONITORS

Wind Monitor Designation		Microphone Location Near Wind Monitor		Height in Meters of Monitor Above Ground Level		
		Array		Event Numbers		
Speed	Direction	01,03,05	02,04,06	034-100	101-329	330-492
S1	D1	C	G	1.5	2.0	1.8
S2	D2	F	D	1.5		1.8
S3		C	G		0.9	1.0
S4		F	D			1.0

FIELD MEASUREMENTS

This section of the report describes the procedures followed in the day-to-day routine of taking noise data and the unique microphone scanning technique used to acquire reference noise.

Procedures

The procedure used in conducting the ESA tests were simple and straightforward. The instruments were frequently calibrated and during each event the conversation between the aircraft crew and test director were recorded. Early morning hours were chosen most often in order to have the best signal to noise ratio, i.e. when other aircraft/airbase activity was minimal. Land lines between microphones and the mobile lab were used where practical, and many microphone systems had dual roles, Table 2. Instrumentation showing inconsistent acoustic calibration levels were quickly replaced and visual checks were made at each runup area to assure that aircraft alignment was correct. In the morning hours when the weather was slowly changing (sun rising, temperature gradient changing, wind at zero or just beginning to increase) several events would be recorded at one runup area prior to having the aircraft move to the other area for a series of events.

In consideration of the above a recording of an event contained such information as: (1) an event number; (2) an acoustic calibration; (3) a request to bring the engine number two to maximum power; (4) an announcement when it was at maximum power; (5) a reading of the temperature and humidity; (6) values of amplification for each recorder channel; (7) comments concerning possible background noise problems (e.g. helicopter

TABLE 2

INSTRUMENTATION USED AT EACH MICROPHONE LOCATION

Microphone Location Array 01,03,05	Microphone Location Array 02,04,06,08	Microphone System Type	Remarks
A	I	B&K Outdoor Mic System 4921	Land Line to recorder in Mobile Laboratory
B	H	B&K Outdoor Mic System 4921	Land Line to recorder in Mobile Laboratory
C	G	B&K Outdoor Mic System 4921	Land Line to recorder in Mobile Laboratory
D	F	B&K Outdoor Mic System 4921	REMOTEPAK
E	E	B&K Outdoor Mic System 4921	REMOTEPAK
F	D	B&K Outdoor Mic System 4921	REMOTEPAK (Also recorded wind speed/direction)
G	C	B&K Outdoor Mic System 4921	REMOTEPAK
H	B	B&K Outdoor Mic System 4921	REMOTEPAK
I	A	B&K Outdoor Mic System 4921	REMOTEPAK
Q		B&K Mic Type 4133	Land Line to recorder to Mobile Laboratory, auto scan
S	S	GenRad Weatherproof Sys 9730	REMOTEPAK
T	T	GenRad Weatherproof Sys 9730	REMOTEPAK
		B&K Mic Type 4133	Hand-Held NAGRA Recorder, Manual Scan

activity); (8) a thirty to forty second sample of runup noise; (9) a sample of noise while engine was reducing its power to idle; and (10) a sample of background noise (which included engine noise at idle power).

The field tests were conducted from December 1979 through February 1981. During that time, noise from nearly 500 events were recorded. Up to thirty events were performed on any single day and more than half of all the events occured between 7 to 9AM and 1 to 3PM.

Measurement Techniques

It is again emphasized that the primary objective of this study was to obtain ESA values applicable to NOISEFILE. To provide an understanding of how microphones were used in the ESA study it is best to explain how they were used in establishing NOISEFILE. In creating NOISEFILE, noise surveys were performed on many Air Force and Navy aircraft. In accomplishing this extensive effort, battery powered tape recorders, microphones and calibration equipment were hand-carried to various air bases. Because of the differences between each base and its aircraft, a wide variety of far-field ground-cover conditions and noise source heights were encountered. In more than 75 percent of these surveys, far-field microphones were located so that at least 50 percent of the surface between the aircraft and the microphones was concrete. Most of the runup pads had some ground irregularities (drainage ditches, rough grass, etc.) crossing or near our measurement semicircle, Figure 3. A major concern was how to overcome ground reflection and impedance problems without using flush mounted microphones (too many installation difficulties and a significant increase in equipment).

To compensate for the ground irregularities and minimize the frequency dependent summation of direct and reflected sound waves from the noise source to fixed-height microphones, a unique scanning microphone technique was instituted (Reference 13). In this technique approximately five to ten seconds worth of noise

data were acquired at each location while the microphone was vertically swept from 0.5 M (1.6 feet) to 3 M (10 feet) above the projected ground plane containing the landing gear. During analysis this signal was analyzed using an integration period slightly less than the acquisition period. Sound pressure level measurements determined by this space-time integration power summation method de-emphasizes the ground reflection and impedance problems.

A similar, but much simpler, technique was used in the ESA study. Two fixed height microphones, S and T, were at the reference location with S at 0.3 M (1 foot) and T at 2.4 M (8 feet) above the ground. Noise data acquired by these microphones were analyzed into one-third octave bands with an integration period of 0.5 seconds every 0.5 seconds throughout the event, resulting in approximately 60 samples per event per microphone. A software program, OMEGA 12, used these samples to calculate an LEQ* for each band and then combine like bands of S and T to produce a power average level called U. It is this value, U, which simulates the noise levels one would obtain from a vertical scanning microphone.

In order to determine how good this simulation is, a scanning microphone, Q, was placed alongside the fixed-height reference microphones S and T for 70 events. The scanning microphone performed a vertical traverse from 0.3 to 2.4 M over a 30 second period. The noise data from Q were analyzed the same as S and T, i.e. with a 0.5 second integration period every 0.5 seconds concluding with an LEQ calculation for each band in the event. The comparison of Q to U is presented in Table 3 and is expressed in terms of average differences. The biggest differences are in the 200 and 250 Hz bands which coincides with the bands containing the most ground reflection effects (as shown in the test results, Appendix A). Excluding these two bands, the

*LEQ (equivalent level) is the energy average of the one-half second integration time, root-mean-square sound pressure levels (in decibels) over the events.

TABLE 3

COMPARISON OF REFERENCE MICROPHONE NOISE LEVELS
Q AND U FOR 70 EVENTS

One-third Octave Band Mean Difference in LEQ for (Q-U)

1/3 OB	Q-U (dB)	1/3 OB	Q-U (dB)	1/3 OB	Q-U (dB)
25.0	-1.0	250	-2.6	2500	0.5
31.5	-1.4	315	-1.1	3150	-0.2
40.0	-1.0	400	-1.3	4000	-0.7
50.0	-1.1	500	-1.4	5000	-0.6
63.0	-1.0	630	-1.0	6300	-1.3
80.0	-0.9	800	-0.4	8000	1.2
120.0	-0.5	1000	-0.0	10000	-0.2
125.0	-0.6	1250	-0.6		
160.0	-1.3	1600	0.6	AL(dBA)	-0.5
200.0	-2.3	2000	0.8	OASPL(dB)	-1.0

average Q-U difference is -0.5 dB (if the two bands are included the average difference is then -0.7 dB). The differences between Q and U were calculated so that, if they were small, the unmanned, electrically operated scanner could be abandoned and the much simpler stationary microphones S and T could be used in its place. This being the case, most of the data presented herein are based on U data. It is believed that Q-U differences are somewhat aircraft-orientation dependent and since the ESA values were developed for independence of radiation angle, then the differences in Table 3 would not be used as correction factors to approximate U to Q.

CALIBRATION

All of the acoustic monitoring, recording and analyzing instruments used for this study were off-the-shelf, i.e. manufactured equipment. Several devices were specially made, however none of these were in the acoustic data-flow path and therefore required no calibration. Acoustic instruments were calibrated according to AAMRL/BBE standard procedures which are based on standard laboratory procedures, manufacturer's recommendations and ANSI Standards. Thus, microphones were comparison calibrated from 20 to 20K Hz using a National Bureau of Standards calibrated microphone as a secondary standard. Wind screens and propagation angle were included in the calibration testing. Insertion devices (with impedance matched to the microphones) were used to input sweep frequency sine waves (20 to 12500 K Hz) into each data acquisition system from the microphone pre-amplifier through the record channel. These signals along with recordings of shorted inputs and single frequency (where the input voltage was changed in 20 dB steps) were used to obtain the frequency response, electronic noise floor, linearity and

distortion of each system. These calibration signals were performed every 30 days of testing unless a system sensitivity changed more than ±1 dB.*

The frequency sweeps were used during data analysis to obtain correction factors for each microphone system (summation of microphone, wind screen, propagation angle and all electronic components from the pre-amplifier through the spectral analyzer). A conservative (i.e. worst case) estimate of the absolute accuracy of the data is: (1) ±2 dB from 20 to 5000 Hz and (2) ±3 dB from 6300 to 10,000 Hz.

DATA ANALYSIS

Spectral Analyzer

The recorded sound pressure levels were analyzed into one-third octave bands using a GenRad 1921 Real Time Spectral Analyzer (1921). This multi-filter analyzer has forty-two one-third octave band filters from 3.5 to 50,000 Hz and integration periods ranging from 1/8 to 32 seconds in 9 selectable periods. The analyzer has a 70 dB dynamic range and a ±0.5 dB accuracy. To facilitate the handling of large amounts of data the 1921 was interfaced to a computer terminal that accepted and stored the one-third octave bands.

Computer Facility

The computer, a CDC 1700 Batch Terminal, used to store and/or retrieve the data was located in a room adjacent to the 1921 Analyzer. After all the one-third octave bands had been analyzed and stored, the CDC 1700 was used as an interface to a larger computer, CDC 6600, which performed the mathematical and statistical analysis and summary tables presented in the Appendix

*Systems with larger changes in sensitivity were repaired or replaced and also changed/replaced if the distortion became greater than 3 percent or the linearity varied more than 0.5 dB.

of this volume and much of the data presented in volumes 2 and 3 of the report.

Data Reduction

The field-acquired noise and calibration data were processed with the 1921 analyzer and transferred to the batch terminal for storage. The 1921 was set for passing one-third octave bands from 25 to 40K Hz. Integration time was set for one-half second and the 1921 was put into the repeat mode, the combination of which creates 27 simultaneous time histories of one-third octave bands. Frequency sweeps were analyzed first to assure that the acquisition and reduction systems were working and to obtain correction values. The pre and post-event, acoustic-calibration signals were analyzed and used to establish a known level within the 1921. The above frequency corrections along with microphone corrections and level setting were used during the analysis to give one-third octave band results independent of their system, i.e. comparison of noise data at one location to those at another were instrumentation independent.

The background noise, the noise at each microphone once the turbojet was pulled back to idle power, was also analyzed into one-third octave bands. The ambient noise was acquired immediately after each event and therefore its analysis contained the final gain settings that were used during the engine noise recording. These data were also corrected as above and stored within the computer for a later comparison to the noise bands produced by the jet engine.

The results of these analyses, corrected one-third octave bands of jet and background noise, were first stored on computer cards and later on digital tape. These analyzed quantities along with meteorological data were used as inputs to a software program, OMEGA 12, which is discussed in the next section.

DATA RESULTS

Each of the three volumes of this ESA study have data results. The results in this report are in terms of fundamental data for each event: noise levels, ESA values, wind velocity, temperature gradients, etc. Volume 2 (Reference 11) uses these data to derive and compare models/theories. Finally, Volume 3 (Reference 12), uses the results of Volume 2 in application to aircraft ground runup noise and recommends a particular model for the U.S. Air Force to use in its prediction procedures.

The data of Volume 1, presented in Appendices A and B, are the outputs of two software programs, OMEGA 12 and 13 respectively. These programs were developed by the University of Dayton Research Institute under a contract with this Laboratory and will be discussed in this section. The discussion will be centered on explaining the format of their outputs (directly used in the appendices) and each program's purpose. Neither a discussion of the program intricacies nor definitions of commonly used acoustic quantities are considered part of this report. It is assumed that anyone using the data herein is knowledgeable in acoustic terminology/definitions. An exception to this is in the adjustment of measured source-noise to remove background noise intrusion. This is best explained by Mr. Cole in Reference 13 where he states that for the OMEGA programs:

> "For each test we measured and analyzed samples of noise produced by the source to derive one-third octave band SPLs, which we will call RSPLs for this discussion. Similarly, for near-field and far-field measurements we derived one-third octave band SPLs for the background noise, which we call SPLNs. Both type spectra are stored in the data bank and used as input to OMEGA 1.4 and OMEGA 3.2, which performed the following steps to remove the influence of any background noise:
>
> For each one-third octave band f
>
> (1) If $(RSPL_f - SPLN_f) \geq 16$, then the $SPLN_f$ had no significant influence on the $RSPL_f$ which was used with no changes for further processing.

(2) If $6 < (RSPL_f - SPLN_f) < 16$, then the $SPLN_f$ slightly affected the $RSPL_f$ which was corrected as follows before further processing:

$$RSPL_f = 10\log \left[\text{antilog} \left(\frac{RSPL_f}{10} \right) - \text{antilog} \left(\frac{SPLN_f}{10} \right) \right]$$

Such corrections ranged from 0.1 to 1.2 dB.

(3) If $(RSPL_f - SPLN_f) \leq 6$, then the $SPLN_f$ excessively influenced the $RSPL_f$, which was then deleted from the spectrum and not considered as data.

Generally little or no data were deleted or required correction, because the instrumentation and measurement methods provided large signal/noise ratios throughout the frequency range of interest. The OMEGA programs flagged all corrected band SPLs on all tables of measured data."

OMEGA 12

Twenty years ago acoustic-data analysis was accomplished on a band by band basis and the output appeared as a wavy line on a scroll of paper. This slow, painstaking process made the experimentor intimate with his data. As he analyzed and listened to this data time and again, he anticipated what each output would look/sound like and quickly questioned any deviation thereof. Today's simultaneous multi-band analyzers, however, have distanced the experimentor from his data. The OMEGA 12 program was developed to restore some of that former intimacy and to perform some calculations on individual events (not across events).

As such, this program prints out in tabular form SPL-time histories (one every one-half second) of one-third octave bands for each microphone location in an event. The SPLs in these tables were corrected for frequency response non-linearities and background noise intrusion. Each table ended with a summary section listing the minimum, maximum and mean SPLs, standard deviations and LEQs. In a similar fashion the program output wind speeds and direction time histories (also in one-half second

intervals) along with their associated statistics. Another output page was devoted to meteorological data. This page contained the air base weather data (15th Weather Squadron), wind velocity (at two microphone sites), wind profiles (during a limited number of tests) temperature as a function of height, temperature gradient and generalized sound velocity gradients. These easy to scan tables were used to review all types of data so that any questionable data could be re-analyzed and corrected.

It was also in this program that the ESA values were calculated. ESA values were obtained for each one-third octave band from the relationship:

$$\text{ESA (at } d_2) = LEQ_{J,REF} - LEQ_{J,d_2} - 20 \log \frac{d_2}{d_1} - ATN_J(d_2 - d_1)$$

where

ATN_J = atmospheric absorption coefficient for the Jth band from SAE APR 866A

d_1 = distance of reference microphone to noise source

d_2 = distance of an ESA microphone (in this study, an ESA microphone was anyone of the microphones A to I) to the noise source

$LEQ_{J,REF}$ = LEQ data for the Jth band at the reference microphone

LEQ_{J,d_2} = LEQ data for the Jth band at an ESA microphone

Since the output of each event averaged over 60 pages and contains more detail than most researchers desire, they are not going to be published as a 24,000 page technical report. There was, however, a one page output for each OMEGA 12 run (i.e. for

each event) which summarizes part of the acoustic data. This one page contains:

- one-third octave band LEQs for each reference microphone
- one-third octave band LEQs for reference "U" microphone
- one-third octave band LEQs for each ESA microphone
- overall sound pressure levels
- A-weighted sound levels
- Sample duration
- distances between microphones and noise source

and are presented in Appendix A. The summarized meteorological and ESA data from each OMEGA 12 computer run (one run for each event) are stored in a large data base for use by the OMEGA 13 program.

OMEGA 13

The OMEGA 13 program was developed to derive weather and ground cover dependent ESA functions.

This program uses the OMEGA 12 generated data base to produce ESA versus distance curves of one-third octave bands, overall, and A-weighted levels. Since many weather and ground cover conditions were encountered during the ESA study, it was possible to perform a comprehensive parametric analysis. The OMEGA 13 Code Sheet, Table 4, shows the various parameters that can be chosen for analysis. The ESA versus distance functions shown in Volume 2 and 3 (Reference 11 and 12) of this report were derived using the OMEGA 13 software.

Another output of the OMEGA 13 was a summary of all meteorological, ground cover and ESA values. These quantities are in fact input data to the OMEGA 13 from the OMEGA 12 data base. The various quantities are formatted on the OMEGA 13 output sheets so that the user can easily scan across events to examine the subtleties between sequential acquired data. The

OMEGA 13 CODE SHEET

I. JOB DATE CARD

Col. _ _ b _ _ _ b _ _ Date eg.: 29 JUN 82

II. TEST SEARCH PARAMETERS -- Select a maximum of nine parameters from those listed below and fill in the desired ranges and/or codes. The decimal point is optional for all data on cards 1 and 2.

(CARD 1)

Col. _ _ _ _ _ _ _ _ _ TEST number

AFAMRL METEOROLOGICAL DATA:

WIND VECTOR (WV)	Col.	(11)	_ _ _ _ _	TO	(16)	_ _ _ _ _	M/S
TEMPERATURE [0.3M] (T1)		(21)	_ _ _ _ _	TO	(26)	_ _ _ _ _	°C
TEMPERATURE [2M] (T2)		(31)	_ _ _ _ _	TO	(36)	_ _ _ _ _	°C
TEMPERATURE [9M] (T3)		(41)	_ _ _ _ _	TO	(46)	_ _ _ _ _	°C
RELATIVE HUMIDITY (RH)		(51)	_ _ _ _ _	TO	(56)	_ _ _ _ _	%
TEMPERATURE GRADIENT (A)		(61)	_ _ _ _ _	TO	(66)	_ _ _ _ _	°C

(CARD 2)

STATION METEOROLOGICAL DATA:

WIND VECTOR (SWV)	Col.	(1)	_ _ _ _ _	TO	(6)	_ _ _ _ _	M/S
TEMPERATURE (ST)		(11)	_ _ _ _ _	TO	(16)	_ _ _ _ _	°C
REL HUMIDITY (SRH)		(21)	_ _ _ _ _	TO	(26)	_ _ _ _ _	%
BAR PRESS (SBP)		(31)	_ _ _ _ _	TO	(36)	_ _ _ _ _	M Hg

CALCULATED QUANTITIES:

ALPHA	Col.	(41)	_ _ _ _ _	TO	(46)	_ _ _ _ _	M/S
BETA		(51)	_ _ _ _ _	TO	(56)	_ _ _ _ _	M/S
ALPHA + BETA		(61)	_ _ _ _ _	TO	(66)	_ _ _ _ _	M/S

(CARD 3)

ARRAY CODES (Max of 12)

Col(1)	_ _	Col(3)	_ _	Col(5)	_ _	Col(7)	_ _	Col(9)	_ _	Col(11)	_ _
Col(13)	_ _	Col(15)	_ _	Col(17)	_ _	Col(19)	_ _	Col(21)	_ _	Col(23)	_ _

OBSERVED CONDITIONS:

PRECIPITATION CODES	(MAX 3)	Col(25)	_ _ _
GROUND COVER CODES			
VEGETATION	(MAX 4)	Col(28)	_ _ _ _
MOISTURE	(MAX 4)	Col(32)	_ _ _ _
GROUND SURFACE CODES	(MAX 3)	Col(36)	_ _ _

BLDG/OBSTACLES

NUMBER	Col(39)	_ _	TO	Col(41)	_ _
AVERAGE HEIGHT	(43)	_ _	TO	(45)	_ _
MAXIMUM HEIGHT			(47)		_ _ _

III. DATABASE (LOG FILE) CODES - Select a maximum of 10 database codes or leave blank if all data are to be scanned.

Col(50)	_ _	(52)	_ _	(54)	_ _	(56)	_ _	(58)	_ _
(60)	_ _	(62)	_ _	(64)	_ _	(66)	_ _	(68)	_ _

OMEGA 13 output was used, as was the OMEGA 12, to check the analyzed data for consistency and spot possible errors in analysis.

As previously stated the purpose of this volume is to present the basic data acquired in this study and used in the other volumes to discuss ESA in general and develop an ESA model for the U.S. Air Force noise prediction programs. The basic data for each event are:

(1) the one-third octave band sound pressure levels in dB (the LEQ over each event);

(2) the one-third octave band, overall and A-weighted ESA values in dB; and

(3) the detailed weather measurements and observations.

Appendix A lists the LEQs and Appendix B presents the ESA values and weather data.

REFERENCES

1. AMRL-TR-73-105, AD A004818 — Community Noise Exposure Resulting From Aircraft Operations: Application Guide for Predictive Procedure

2. AMRL-TR-73-106, AD A004822 — Community Noise Exposure Resulting From Aircraft Operations: Technical Review

3. AMRL-TR-73-107, AD A017741 — Community Noise Exposure Resulting From Aircraft Operations: Acquisition and Analysis of Aircraft Noise and Performance Data

4. AMRL-TR-73-108, AD A785360 — Community Noise Exposure Resulting From Aircraft Operations: Computer Program Operator's Manual

5. AMRL-TR-73-108 Appendix AD AD22911 — Community Noise Exposure Resulting from Aircraft Operations: NOISEMAP Program Operator's Manual

6. AMRL-TR-73-108 Addendum AD A042143 — Community Noise Exposure Resulting from Aircraft Operations: NOISEMAP Computer Program Operator Manual Addendum for Version 3.3 of NOISEMAP

7. AMRL-TR-73-109, AD A004821 — Community Noise Exposure Resulting from Aircraft Operations: Computer Program Description

8. WRE-TR-1907(A) — Chessell, C. I., (1978); Meteorogical and Ground Effects on the Propagation of Aircraft Noise Close to the Earth's Surface

9. NASA Technical Paper 1104 — Pao, S. P.; Wengel, A. R.; and Onely, P. B., (1978); Prediction of Ground Effects on Aircraft Noise

10. NASA CR-767 — Franker, P. A.; and Bishop, D. E., (1967); The Propagation of Sound from Airport Ground Operations

11. AFAMRL-TR-84-017, AD 142420 Volume 2 — Bishop, D. E.; Overground Excess Sound Attenuation, Volume 2 Analysis of Flat, Grassy Terrain Date

12. AFAMRL-TR-84-017, AD 154820 Volume 3 — Bishop, D. E.; Overground Excess Sound Attenuation, Volume 3 Operator Manual for Application of Flat Grass Terrain Data to NOISEMAP

13. AMRL-TR-75-50, AD A-031865 Volume 1 — Cole, J. N.; USAF Bioenvironmental Noise Data Handbook, Volume 1, Organization, Content and Application

APPENDIX A

SOUND LEVELS FOR EACH EVENT

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-034

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135B
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 034
DATE 29 NOV 79

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS												OVERALL SAMPLE DURATION: 20 SEC				
	99.9	105.1	107.8	109.6	112.4	114.3	116.6	116.7	115.8	113.9	114.3	112.8	112.5	112.4		118.5	125.4
	110.4	110.0	109.2	107.4	105.9	103.9	103.2	102.6									
S	DIST FROM SOURCE: 66 METERS												OVERALL SAMPLE DURATION: 20 SEC				
	100.0	105.5	108.1	109.8	112.4	114.4	116.3	116.4	115.4	113.4	113.2	111.0	109.2	107.4		112.6	124.1
	101.8	97.4	91.5	88.0	88.1	87.7	86.3	86.7									
T	DIST FROM SOURCE: 66 METERS												OVERALL SAMPLE DURATION: 18 SEC				
	99.8	104.7	107.5	109.3	112.4	114.2	116.8	117.0	116.0	114.4	115.1	114.0	114.4	114.6		121.2	126.4
	113.1	112.9	112.1	110.3	108.8	106.9	106.2	105.6	104.3	101.7	101.2	97.4	98.3				
A	DIST FROM SOURCE: 134 METERS												OVERALL SAMPLE DURATION: 21 SEC				
	94.3	99.8	102.5	104.2	105.8	108.7	110.1	109.6	107.9	104.6	103.2	99.6	96.5	94.2		103.7	117.0
	92.7	90.5	90.5	89.4	87.7	86.5	84.8	83.1	80.9	78.4							
B	DIST FROM SOURCE: 238 METERS												OVERALL SAMPLE DURATION: 19 SEC				
	82.7	87.6	90.2	91.1	92.1	94.2	95.7	94.8	92.1	86.5	83.2	78.8	77.0	76.5		87.2	102.2
	76.1	76.6	76.1	74.9	73.2	71.6											
C	DIST FROM SOURCE: 431 METERS												OVERALL SAMPLE DURATION: 19 SEC				
	70.4	75.8	78.5	80.0	81.1	82.9	82.7	79.4	76.5	70.5	68.6	67.2	68.2	68.4		76.3	89.7
		66.5	65.7	64.3	63.4	64.9											
E	DIST FROM SOURCE: 1255 METERS												OVERALL SAMPLE DURATION: 18 SEC				
			70.9	70.1		71.2	71.6	70.5	68.1	63.2	61.2	62.3	63.2	62.8		68.2	79.1
	62.6	61.5	59.0	54.5	48.9												
G	DIST FROM SOURCE: 2087 METERS												OVERALL SAMPLE DURATION: 20 SEC				
							61.1	60.4	58.3	54.9	56.1	58.4	59.4	58.5		62.1	68.8
	56.9	54.3	50.5	45.3													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-036

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 036
DATE 06 DEC 79

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 28 SEC		
	101.3	105.5	108.6	109.9	113.6	116.0	117.9	119.2	119.3	119.6	120.2	119.3	117.5	115.7		122.0	128.8
	113.9	112.0	109.3	107.5	107.2	105.9	105.5	106.1	104.4	101.5	101.3	98.5	97.6				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 28 SEC		
	101.9	106.0	109.2	110.4	114.1	116.5	118.3	119.8	120.2	120.4	120.9	119.4	116.5	113.0		120.1	128.9
	107.9	101.9	97.8	99.4	101.9	103.4	104.0	105.7	103.5	99.7	100.0	97.8	95.1				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	100.6	104.9	108.0	109.3	113.2	115.4	117.4	118.5	118.3	118.6	119.4	119.2	118.3	117.4		123.3	128.8
	116.3	114.8	112.2	110.2	109.5	107.5	106.6	106.4	105.2	102.8	102.3	99.1	99.2				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	94.1	99.0	102.3	103.6	107.1	110.1	111.7	112.1	111.3	108.7	103.1	93.4	95.5	97.1		111.7	119.4
	99.2	100.2	102.3	103.2	102.7	101.3	98.5	97.5	96.2	93.7	90.2	89.4					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	88.5	93.4	96.5	97.2	100.8	103.4	105.3	105.4	103.0	96.7	86.1	83.2	86.0	87.6		101.6	111.8
	89.6	90.5	91.3	92.3	92.0	91.8	90.0	87.8	86.3	82.3							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	83.2	88.0	91.6	92.5	96.7	99.0	100.4	98.3	92.8	79.9	74.5	74.9	78.5	81.0		96.3	106.0
	82.9	84.7	86.6	87.9	89.3	87.1	83.5	78.5	76.2								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 19 SEC		
	72.3	77.9	82.6	81.8	86.2	87.0	85.3	79.1	69.7	60.5		60.8	63.0	65.3		77.7	92.6
	66.4	69.3	70.2	70.0	68.4	64.5	59.8	52.0									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 20 SEC		
	69.9	73.9	77.3	76.2	79.8	79.7	76.8	71.5	63.2	54.6	51.0	53.3	55.6	57.7		69.7	85.9
	59.0	62.2	62.8	61.5	59.2	55.0	47.8	37.8									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 18 SEC		
		72.1	76.3	74.5	77.2	77.8	73.1	67.3	58.9			51.2	53.7	55.3		65.8	83.4
	56.8	58.2	58.4	57.1	54.3	49.5											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-037

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 037
DATE 06 DEC 79
FORGOT POST CONTROL CAL

MICROPHONE:
ARRAY D1

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 100.4 105.9 108.8 111.6 113.9 116.5 118.2 119.3 118.8 118.6 117.9 115.4 115.7 116.9 114.2 112.5 111.1 110.0 108.1 105.8 105.1 104.2 102.6 100.0 100.1	121.7	128.2
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 101.0 106.5 109.4 112.1 114.3 117.0 118.5 119.7 119.2 118.7 117.7 114.7 114.2 114.2 108.3 103.2 97.4 95.2 96.1 95.8 94.6 94.8 94.3 90.3 90.2	117.7	127.6
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 99.7 105.2 108.2 110.9 113.3 115.9 117.8 119.0 118.4 118.5 118.1 116.1 116.8 118.6 116.6 115.3 114.1 113.0 111.0 108.6 107.9 106.9 105.3 102.8 102.9 99.1 99.7	123.7	128.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 93.2 99.3 102.5 104.9 106.8 110.6 111.5 112.0 111.0 109.5 106.7 99.8 97.1 98.1 96.6 94.3 93.2 91.5 89.2 88.4 86.7 85.7 84.4 81.8 78.3	106.6	119.2
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 87.7 93.5 96.6 98.4 99.9 103.1 103.8 104.2 101.9 97.5 92.3 83.0 79.4 79.9 79.5 78.7 78.4 78.1 76.9 76.0 73.7 71.7	94.8	110.8
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC 81.5 87.3 90.9 92.7 94.3 97.2 97.3 95.6 92.6 87.4 80.6 70.9 70.3 72.2 72.3 71.6 71.1 70.4 69.7 67.6	86.2	103.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC 68.6 74.5 78.1 78.6 77.7 78.5 77.5 74.5 69.0 65.0 62.5 63.7 64.7 65.7 65.8 65.3 64.0 62.0 60.1 56.3 52.9 48.0	72.5	86.1
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 29 SEC 64.8 69.3 69.8 69.1 71.5 70.7 67.2 68.3 66.5 62.8 60.7 60.7 61.4 63.1 62.8 62.9 61.5 58.7 55.5 50.7 45.4 37.3	69.1	78.4
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 26 SEC 65.9 68.4 67.8 69.2 65.8 66.2 63.2 57.5 57.2 59.2 60.9 61.5 61.5 60.7 59.6 57.2 52.8 47.1 40.2	67.3	76.3

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-038

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 038
DATE 12 DEC 79

MICROPHONE: ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	99.6	103.8	107.5	109.2	112.3	116.0	117.8	119.5	119.0	117.8	117.2	115.0	114.4	113.8	121.0	127.6
	113.4	112.4	111.0	109.5	108.3	106.0	105.2	105.0	103.4	101.1	100.3					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	100.0	104.2	107.9	109.6	112.5	116.3	117.9	119.4	118.8	117.1	116.2	113.0	111.2	109.1	115.3	126.5
	105.6	99.8	94.7	92.2	90.9	90.7	89.4	89.6	87.4	85.0	84.7					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	99.2	103.3	107.0	108.8	112.0	115.8	117.7	119.6	119.1	118.4	118.1	116.3	116.2	116.0	123.4	128.6
	116.1	115.3	114.0	112.5	111.2	108.9	108.2	107.9	106.4	104.1	103.2	99.6	100.0			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	91.4	95.6	99.4	100.4	103.3	107.4	108.5	109.5	108.0	105.0	102.7	97.6	93.0	89.9	102.8	115.9
	90.1	89.4	89.2	88.1	86.9	86.2	84.5	83.7	82.4	79.7	75.0	74.1				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC						
		87.6	90.6	90.3	92.8	95.0	94.6	95.1	92.8	87.8	84.2	79.1	77.3	76.3	87.1	101.9
	76.8	76.5	76.0	75.5	74.0	73.1										
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC						
		77.6	79.2											71.1		
	70.8	69.0	69.8	69.9	66.7	64.6										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
							67.6	67.9	67.0	64.2	62.1	63.8	64.2	63.7	69.5	75.6
	63.3	62.8	60.7	58.3	55.4	50.7	45.8									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
								59.8	59.4	55.5	53.7	54.5	55.1	54.4	59.7	66.2
	53.4	53.0	50.9	47.5	44.2	38.9										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-039

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-141
LOCATION 01 HT AGL 2.5 M

EVENT:
NUMBER 039
DATE 12 DEC 79

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	105.8	109.3	112.6	115.0	116.8	118.5	118.8	118.4	114.1	112.7	112.8	110.1	108.7	106.0	112.8	126.2
	103.0	100.3	96.9	94.2	92.5	90.7	89.0	90.8	92.2	86.4	86.8					
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	106.2	109.7	113.0	115.4	117.1	118.7	119.0	118.8	114.7	113.0	112.9	109.8	107.3	103.0	111.7	126.4
	97.3	91.5	86.7	86.6	87.5	87.3	86.8	89.8	89.9	83.3	84.2	83.7	83.8			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	105.4	108.8	112.1	114.7	116.5	118.2	118.5	117.9	113.4	112.4	112.7	110.4	109.8	107.8	113.6	125.9
	105.4	103.1	99.7	96.8	94.7	92.6	90.4	91.6	93.7	88.1	88.5					
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	99.5	103.3	106.2	109.4	110.8	112.5	112.4	113.4	108.3	102.8	96.6	87.7	88.8	89.7	102.9	119.8
	90.3	89.0	88.9	88.0	86.6	85.3	81.8	82.6	84.6	78.6	75.6	77.2	73.1			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	94.8	98.0	100.6	103.1	103.7	105.0	105.0	104.7	99.8	92.3	81.8	76.3	78.4	78.5	93.7	112.3
	78.9	78.4	77.9	76.9	74.8	74.0			74.3							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	89.3	92.9	96.3	99.0	99.9	100.9	99.8	97.5	91.1	80.4	71.9		69.3	70.4	87.0	107.3
	71.3	71.3	73.4													
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 22 SEC	
	78.4	82.9	87.5	90.1	91.4	91.2	88.0	82.4	73.1	62.1		59.2	60.6	62.0	75.7	97.3
	61.6	61.6	61.9		63.5											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	75.3	79.0	82.3	83.8	84.7	83.0	79.5	75.2	66.9		52.4	51.3	52.8	53.9	67.1	90.5
	54.8	55.8														
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	71.5	76.2	79.9	81.7	81.9	81.3	75.9	70.4	62.3			50.8	52.3	52.3	64.2	88.2
	51.7	52.1														
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	64.3	70.3	74.8	78.0	77.3	76.1	71.8	67.0								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-040

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 040
DATE 12 DEC 79

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1k	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	100.3	104.5	107.4	108.6	110.9	113.3	115.0	115.7	115.9	117.3	117.9	116.4	115.0	113.7		119.7	126.2
	111.6	109.5	107.3	106.2	105.8	104.9	104.5	104.4	101.5	99.2	98.9	94.8	94.2				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	100.7	105.0	107.9	109.1	111.2	113.6	115.3	116.0	116.3	117.7	118.2	116.1	113.9	111.1		117.8	125.9
	106.1	100.3	98.6	100.3	102.3	103.8	103.9	103.9	99.9	96.4	96.1	93.3	91.0				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.9	104.0	106.9	108.1	110.6	113.0	114.7	115.5	115.5	116.8	117.6	116.6	115.9	115.3		121.1	126.5
	113.9	112.2	110.0	108.6	107.7	105.9	105.0	104.8	102.6	100.9	100.6	95.8	96.0				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	92.7	97.2	100.6	101.5	103.9	107.2	108.3	108.5	107.6	104.8	97.7	94.9	98.6	100.8		109.8	116.5
	102.5	101.8	101.7	100.2	98.8	97.4	95.0	93.1	91.5	88.4	84.4	82.7					
P	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	87.3	91.2	94.3	94.7	96.6	98.6	100.1	99.6	96.2	88.2	80.3	83.5	87.0	89.8		100.7	107.4
	91.6	92.8	93.7	93.3	90.6	88.5	86.0	83.2		76.9							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	81.4	85.5	89.4	90.1	92.2	93.5	94.5	90.9	84.6	75.6	73.2	74.7	78.5	82.3		93.7	101.1
	84.5	85.0	85.9	86.0	85.4	82.6	79.4	75.0									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	71.2	76.4	80.4	80.5	82.3	81.7	78.3	70.5	69.2	63.5	62.2	66.6	70.2	74.1		82.3	89.5
	76.5	77.0	76.2	72.9	69.4	64.3	58.9	50.1									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	69.9	74.1	77.1	76.6	77.2	74.1	70.9	65.3	64.7	61.6	57.6	61.2	65.7	68.4		76.4	84.6
	69.6	71.4	70.4	67.5	63.0	56.9	49.4	38.9									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	69.6	73.7	76.8	78.3					58.7		55.1	59.7	63.0	64.3		71.2	81.2
	65.1	64.7	64.2	62.3	58.0	51.9											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
		66.6	71.4	71.9	70.6	68.2	66.1					57.8	59.3	62.8		68.9	78.0
	62.8	63.4	62.8	58.6	55.5	48.2											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-141
LOCATION 01 HT AGL 2.5 M
EXHAUST PLANE + 20 FEET

EVENT:
NUMBER 041
DATE 13 DEC 79

MICROPHONE:
ARRAY 01

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-041

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 39 SEC							
	105.9	109.1	112.2	113.7	115.5	116.3	116.6	118.1	114.8	110.7	107.5	105.8	104.3	102.2		110.0	124.8
	99.0	97.0	93.2	90.7	89.1	87.7	86.5	88.5	89.8	83.1	83.1		83.5				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 39 SEC							
	106.2	109.5	112.5	114.0	115.6	116.4	116.6	118.3	115.4	111.4	108.4	106.4	104.8	102.5		110.1	125.0
	98.3	94.7	87.7	84.6	85.0	85.5	85.1	87.8	87.8	80.5	80.5		83.0				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 40 SEC							
	105.5	108.7	111.9	113.5	115.4	116.2	116.6	118.0	114.0	109.8	106.3	105.1	103.6	101.8		109.8	124.5
	99.6	98.4	95.6	93.1	91.2	89.1	87.5	89.1	91.1	84.8	84.6		83.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	99.5	103.0	105.8	107.5	108.6	109.9	109.4	110.6	107.0	102.5	94.5	85.5	86.3	88.1		100.5	117.6
	87.9	86.1	85.0	83.4	81.3	80.7	76.2	76.6	77.8	71.7	70.9	75.7	71.7				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	94.3	97.4	100.2	101.7	102.7	103.5	102.8	103.3	99.1	91.1	80.5	76.7	79.0	80.8		92.6	111.0
	80.6	79.9	77.9	75.7	72.7	70.6											
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	89.2	92.3	95.7	96.9	98.4	99.3	97.7	96.5	91.0	82.5	74.5	70.9	72.7	73.7		86.2	105.9
	73.7	73.4	72.4	70.6	68.0												
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	77.7	81.9	85.6	86.2	88.4	87.4	83.6	80.4	74.8	66.4	58.7	57.6	57.7	59.0		71.9	94.2
	59.2	59.4	57.9	55.1	51.9												
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	73.7	77.1	80.1	80.1	81.7	79.9	75.9	73.9	68.9	61.7	54.6	51.2	53.6	55.6		65.7	87.8
	54.9	55.1	52.9	48.8	44.9												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	71.8	75.3	78.5	77.9	79.0	77.9	71.8	68.8	63.0	55.7	49.8	51.6	53.2	53.9		62.8	85.3
	54.3	54.3	53.1														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-043

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 043
DATE 14 DEC 79

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	93.1	99.0	102.2	104.6	108.5	110.5	112.9	114.1	114.9	115.5	115.4	114.3	113.0	112.9	118.0	124.3
	111.4	108.0	105.7	104.9	103.2	102.1	101.4	101.2		98.3	97.3					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	93.7	99.1	102.6	104.6	108.5	110.6	112.6	113.8	114.6	115.3	114.8	113.4	111.6	110.6	115.3	123.4
	108.7	103.7	99.4	93.0	92.8	93.0	94.9	95.7		94.9	94.4					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	92.2	98.9	101.9	104.6	108.5	110.4	113.1	114.4	115.1	115.8	116.0	114.9	114.1	114.4	119.7	125.1
	113.1	110.1	108.1	107.8	106.0	104.8	103.9	103.5	100.5	100.2	99.1	95.7	97.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	94.7	99.3	102.2	104.7	107.9	111.0	112.7	113.5	113.7	113.0	110.7	106.1	100.5	101.1	111.7	121.3
	99.8	101.0	100.8	100.2	99.3	98.3	96.9	95.7		90.9	89.3					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	88.7	93.2	96.0	97.3	99.8	102.3	104.2	105.4	104.6	102.1	98.3	91.5	87.2	86.6	99.0	111.9
	86.2	86.4	86.4	85.9	84.2	82.8	80.3	77.0								
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	82.9	87.8	91.0	92.2	95.0	96.7	98.1	98.0	96.8	93.0	88.4	81.1	78.3	78.7	90.6	105.1
	79.0	78.4	77.7	77.2	75.4	72.8	68.8	64.3								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 26 SEC						
	70.7	76.9	80.8	81.5	83.6	85.3	86.0	83.0	78.3	68.4	62.0	62.9	64.5	65.5	74.6	92.0
	65.3	65.5	63.9	60.6	56.8	49.9										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 25 SEC						
	67.9	73.2	76.0	75.8	77.2	78.3	77.9	75.7	73.1	65.9	60.4	59.9	60.6	60.5	68.4	85.5
	59.6	59.3	57.2	53.0	46.9	39.0										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 24 SEC						
	64.6	70.4	74.2	74.4	75.0	75.8	74.4	70.9	66.9	58.6	56.7	59.6	61.5	61.7	67.2	82.8
	61.4	60.1	57.5	53.3												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-044

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 044
DATE 23 JAN 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	98.6	105.0	107.6	109.3	113.4	114.4	117.1	117.2	117.4	116.2	114.9	112.9	111.2	111.4	117.8	125.8
	110.1	108.7	107.7	106.5	104.1	101.9	101.3	100.7								
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	99.7	105.7	108.5	110.2	114.2	115.2	117.6	117.7	117.7	116.3	114.5	111.1	107.9	104.9	113.0	125.5
	99.5	94.6	89.9	87.2	87.1	86.1	85.9	85.1								
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	97.1	104.2	106.5	108.2	112.4	113.4	116.5	116.8	117.1	116.2	115.3	114.2	113.0	113.9	120.2	126.2
	112.9	111.6	110.7	109.4	107.1	104.9	104.2	103.6	101.7	101.2	100.2	96.9	99.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	94.2	100.2	102.4	104.4	106.8	108.8	110.6	109.9	108.6	105.8	102.9	97.6	93.1	91.3	102.9	117.3
	89.1	89.1	88.4	86.9	84.9	83.2	81.4	80.1								
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	87.3	92.7	95.3	96.5	98.1	99.5	101.0	100.1	98.0	93.1	90.1	86.0	83.8	83.6	93.0	107.7
	83.2	82.0	81.0	80.0	77.5	75.5		72.2								
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	80.1	86.3	88.1	88.8	90.2	90.3	89.7	87.8	86.2	80.0	76.0	73.8	74.5	74.5	81.3	98.0
	75.4	73.6														
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 24 SEC						
			70.2	69.4	71.5	72.1	72.6		69.2	64.4	62.1	64.1	63.9	64.2	68.5	79.4
	63.3	61.0	57.3	51.5												
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 22 SEC						
									66.4			59.6	59.3	58.8		
	56.6	54.1	49.1													
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 26 SEC						
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 28 SEC						
									55.9		50.6	54.0	55.4	54.9		
	52.1	47.7	41.9													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-047

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 047
DATE 29 JAN 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 43 SEC							
	98.4	104.2	107.1	108.5	111.7	112.9	114.3	114.3	114.3	114.4	114.0	113.2	112.2	111.7		117.5	124.3
	110.1	107.5	105.9	104.8	103.4	101.9	101.9	102.0		100.5	99.6	97.8	98.9				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 43 SEC							
	98.9	104.4	107.5	109.0	112.1	113.3	114.4	114.6	114.7	114.9	114.4	113.6	112.7	111.5		116.3	124.4
	109.5	105.5	101.0	94.2	95.8	96.5	98.8	99.9	101.4	100.1	99.2	97.9	98.2				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 43 SEC							
	97.8	103.9	106.6	107.9	111.3	112.4	114.1	113.9	113.7	113.7	113.6	112.7	111.5	111.9		118.3	124.1
	110.6	108.9	108.1	107.6	106.0	104.2	103.7	103.4		100.8	100.0	97.7	99.4				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 43 SEC							
	93.6	99.1	102.0	103.8	105.6	107.3	107.6	107.8	107.7	107.0	106.0	103.6	100.9	99.2		107.1	116.8
	96.1	96.0	95.4	95.2	93.7	92.4	91.1	90.1	89.7	88.4	87.4	86.6	85.5				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	87.4	92.0	95.2	96.6	98.0	98.7	99.0	98.4	97.5	95.7	93.1	89.6	87.8	87.1		95.3	107.3
	85.6	85.5	84.9	84.1	81.9	79.9	78.9	77.0	76.1								
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	80.2	85.6	87.9	89.0	90.5	90.8	91.0	89.7	88.0	86.6	83.7	80.3	79.3	79.0		86.4	99.1
	79.1	77.3	76.1	74.9	72.2	69.2											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 40 SEC							
	68.1	70.9	73.3	72.7	75.0	74.3	74.7	73.9	70.3	66.0	64.3	64.8	64.3	63.1		68.1	82.4
	61.2	58.9	54.7	48.5	41.8												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 40 SEC							
		62.9	64.8	61.5	63.9	63.0	62.9		59.6	54.9	54.5	56.2	56.9	54.8		58.5	71.1
	52.2	47.7	43.0														
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 14 SEC							

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION C1 HT AGL 1.5 M

EVENT:
NUMBER 049
DATE 29 JAN 80

MICROPHONE:
ARRAY 01

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-049

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 97.0 103.2 106.3 108.6 112.4 113.5 115.4 115.9 116.1 117.5 118.2 117.8 115.7 114.9 113.9 110.6 108.6 107.4 105.9 104.7 104.4 104.2 102.4 102.2 101.4 99.3 100.6	120.8	126.9
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 97.9 103.6 107.0 109.1 112.9 114.0 115.7 116.2 116.5 117.9 118.6 118.3 116.0 114.1 112.5 107.7 102.7 95.3 98.3 99.3 101.4 101.9 102.0 100.8 99.7 99.0 99.0	115.4	126.9
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 95.8 102.7 105.5 108.0 111.9 112.9 115.2 115.7 115.7 117.0 117.7 117.3 115.3 115.7 115.0 112.3 111.0 110.2 108.6 107.0 106.2 105.7 102.7 103.3 102.7 99.5 101.8	121.7	126.9
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 92.2 97.8 100.5 102.8 105.8 107.9 109.0 109.2 108.9 108.7 107.2 100.6 94.2 97.6 99.5 100.8 100.8 100.6 98.8 97.3 95.3 94.0 93.7 90.5 89.4	109.8	117.7
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 85.3 90.4 93.4 94.8 96.1 98.2 98.8 98.1 96.3 94.5 90.9 85.9 86.2 86.7 86.6 86.4 85.8 85.7 83.5 81.7 79.1 77.1	95.4	106.3
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 29 SEC 77.9 83.5 86.2 87.2 88.4 89.5 89.2 88.0 84.9 80.4 76.8 76.1 77.5 78.1 78.9 77.6 76.2 74.5 72.0 68.9	85.1	97.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 26 SEC 58.0 60.2 59.9 58.6 56.3 53.5 48.8 43.0		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 21 SEC 65.1 64.7 63.9 61.0 60.2 60.7 59.6 57.3 54.9 51.3 45.9	62.2	71.7
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 17 SEC 64.1 61.7 62.4 63.4 61.2 56.8 57.0 59.5 60.3 58.4 55.3 50.3 44.1 40.1	61.6	71.8
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 30 SEC 56.9 56.9 55.7 52.9		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-051

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 051
DATE 29 JAN 80

MICROPHONE:
ARRAY 02

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 26 SEC		
	96.1	100.7	103.6	106.0	111.1	114.5	118.3	120.4	120.1	120.4	119.9	113.8	113.0	112.0	121.0	128.3
	111.2	110.4	111.2	110.4	108.6	106.7	105.6	105.8	104.9	103.1		101.0	100.8			
S	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 26 SEC		
	95.5	100.5	103.4	106.2	111.3	114.1	118.6	121.1	121.4	122.0	121.8	115.0	114.1	111.2	119.5	129.0
	106.5	100.4	100.1	98.2	99.4	100.8	101.1	104.6	105.3	104.1	104.5	103.1	103.0			
T	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 25 SEC		
	96.5	100.9	103.7	105.7	110.8	114.8	118.0	119.6	118.3	117.8	116.4	112.1	111.5	112.6	122.1	127.4
	113.5	113.2	114.0	113.3	111.3	109.1	107.8	106.8	104.5	101.7		96.7	95.9			
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 14 SEC		
		76.5	78.2	81.5	88.4	88.8	90.6	87.6	79.7	73.4	73.1	71.0	71.8	72.6	80.1	95.6
	73.0	72.5	70.1	64.3	57.5											
G	DIST FROM SOURCE: 2079 METERS													OVERALL SAMPLE DURATION: 27 SEC		
	66.4	73.0	73.8	74.6	79.4	79.7	79.4	78.2	71.9	66.6		63.9	64.4	64.9	69.8	86.1
	63.6	59.3	54.0	45.7	45.2											
H	DIST FROM SOURCE: 2273 METERS													OVERALL SAMPLE DURATION: 26 SEC		
	66.9	70.6	72.3	72.7	77.8	77.4	77.3	75.5	69.9	65.9	63.3	60.9	62.2	63.8	67.9	84.2
	61.1	56.8	50.2	43.9												
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 23 SEC		
		70.6	72.4	73.8	78.9	78.7	78.2	76.1	71.6	66.9	63.4	62.6	62.1	64.0	68.5	85.2
	61.5	57.0														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-052

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 052
DATE 05 FEB 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500				
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K					
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC								
	99.3	104.8	108.7	110.3	115.2	117.1	120.4	122.0	122.1	121.5	120.7	119.4	116.8	113.4			122.8	130.2
	111.6	110.7	111.7	112.5	111.4	109.6	108.6	108.0			104.6							
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC								
	100.6	105.7	109.8	111.5	116.4	118.5	121.8	123.8	124.1	123.2	121.1	117.5	112.9	107.7			119.6	130.9
	102.4	100.0	99.7	99.9	101.9	102.1	103.1	103.5			102.0							
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC								
	97.3	103.7	107.1	108.8	113.5	115.1	118.2	119.0	118.3	118.8	120.2	120.7	118.8	115.8			124.9	129.5
	114.4	113.5	114.5	115.3	114.2	112.2	110.9	110.2	107.0	107.3	106.2	103.5	104.7					
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 29 SEC								
	95.0	100.3	104.0	105.9	109.8	113.1	115.8	117.4	117.0	115.0	111.2	102.6	97.2	98.1			112.5	123.7
	98.7	99.4	99.8	100.2	99.7	99.4	98.6	97.9	97.2	95.0	92.0	90.4	89.5					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC								
	88.7	93.5	97.9	99.2	102.2	105.5	108.3	110.1	108.4	104.2	98.8	86.6	84.2	85.8			101.1	115.4
	86.2	86.6	87.0	86.6	84.8	83.1	80.6	77.9	74.1	72.0								
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 29 SEC								
	83.9	89.7	93.3	94.1	97.1	100.3	101.7	103.7	102.5	96.0	86.1	76.1	75.5	77.5			93.9	109.2
	79.3	79.4	79.0	77.8	76.8	74.2	70.3	65.6										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 27 SEC								
	80.8	86.0	90.0	90.8	93.5	96.1	92.3	93.9	92.6	82.4	69.5	68.8	70.5	71.8			84.5	101.8
	72.5	72.7	71.8	69.7	66.9	62.2												
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC								
	70.4	76.7	81.6	83.4	86.8	89.2	85.0	76.7	76.0	69.6	62.7	64.6	65.5	66.4			74.6	93.4
	66.9	66.3	64.1	60.9	55.7	49.7												
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 28 SEC								
	70.4	75.8	79.5	80.4	83.5	85.8	82.9	74.8	70.7	64.6	60.4	61.2	61.6	63.3			71.5	90.4
	64.0	63.7	60.7	56.0	48.9	40.4												
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 22 SEC								
		64.9	69.0	70.2	73.9	77.1	71.3					57.9	61.5	63.7			67.2	80.7
	62.6	61.4	57.2	51.3														
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 29 SEC								
			71.8	74.8	76.5	79.6	74.4	65.2		58.5		56.2	57.6	59.9			64.9	83.4
	58.8	57.2	54.7															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-054

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 054 DATE 13 FEB 80

MICROPHONE: ARRAY 01

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.9	105.2	108.8	110.5	115.5	116.9	119.6	119.6	119.1	118.7	119.7	119.6	119.4	120.8	125.2	130.2
	118.0	115.7	115.0	114.2	111.9	110.1	109.8	109.2		106.3	105.1		103.8			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	100.7	105.5	109.4	111.1	116.3	117.9	120.7	121.1	120.1	117.6	115.0	110.9	107.6	106.7	115.8	127.8
	103.8	103.1	101.9	101.0	101.3	100.0	99.6	98.8		96.9	95.7		95.9			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.0	104.8	108.0	109.7	114.5	115.6	118.1	117.4	117.7	119.5	121.9	122.3	122.2	123.7	128.1	131.8
	121.0	118.6	117.9	117.1	114.7	112.9	112.6	112.0	108.7	109.1	107.9	105.0	106.5			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	95.5	100.6	103.9	106.1	110.2	112.8	114.1	112.1	105.9	96.4	95.7	98.8	100.6	103.7	110.8	119.9
	103.1	102.8	101.8	100.7	99.1	97.8	96.4	95.3	93.6	91.2	88.9	87.9	87.0			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	84.1	89.1	93.1	94.5	96.5	96.9	90.8	87.8	79.3	70.4	70.9	73.7	74.9	75.3	83.1	102.4
	75.7	73.9	72.6	70.9	69.0	65.9	61.7									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	80.4	84.6	88.5	90.0	92.2	91.6	81.7	70.3	64.6	62.8	65.4	69.1	68.9	69.4	76.6	97.3
	69.3	68.6	67.2	64.0	60.0	55.0										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 24 SEC						
	68.7	74.9	79.2	80.0	81.8	79.2	68.9	59.6	56.8	57.0	60.0	63.0	63.5	63.5	68.2	86.8
	62.3	61.1	58.2	53.0	47.2											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	66.7	68.8	71.8	72.9	74.0	70.6	62.0	58.6	56.7	54.2	57.7	60.9	61.3	61.0	64.4	79.6
	59.1	56.7	52.4	46.3	38.2											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 34 SEC						
													56.9	56.2	55.7	
	53.8															
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 25 SEC						

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-055

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 055
DATE 13 FEB 80

MICROPHONE: ARRAY D1

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 39 SEC 99.3 105.1 108.8 110.3 115.3 116.6 119.7 119.7 119.7 118.9 118.8 118.8 117.6 118.3 117.2 114.9 114.4 113.8 112.0 110.1 109.6 109.5 106.8 105.7	124.4	129.7
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 39 SEC 100.2 105.7 109.7 111.0 116.1 117.7 120.9 121.3 120.8 118.0 114.4 110.2 105.2 102.1 100.0 99.4 98.0 96.9 96.6 94.8 93.6 92.2 91.1 90.4	114.5	127.9
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 40 SEC 98.2 104.4 107.8 109.4 114.2 115.1 118.0 117.3 118.3 119.6 120.9 121.5 120.5 121.3 120.2 117.8 117.3 116.8 114.9 113.0 112.6 112.5 109.8 109.7 108.6 104.8 106.5	127.3	131.0
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 39 SEC 94.8 100.4 103.6 105.8 109.4 111.3 113.7 112.2 107.5 98.0 93.1 93.5 92.9 93.7 92.9 92.1 91.1 90.5 88.6 87.1 85.3 84.1	103.3	118.9
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 38 SEC 83.4 89.1 92.8 94.1 95.2 95.7 90.6 86.5 80.1 69.7 68.3 71.6 72.8 72.5 73.3 71.6 70.3 68.4 66.2 62.8	81.3	101.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 29 SEC 78.5 83.2 86.3 88.3 89.5 88.7 80.1 69.7 64.4 60.8 62.8 65.6 65.4 64.9 64.5 63.1 62.5	72.3	95.0
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 39 SEC 72.9 75.9 76.2 77.8 76.4 58.5 56.2 59.4 62.7 63.1 62.6 61.4 59.4 56.1 51.5 45.4	66.8	83.3
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 39 SEC 63.4 65.9 64.7 63.9 62.5 61.0 57.5 53.4 54.4 56.7 58.6 58.6 56.7 54.9 51.7 47.8	60.5	72.1
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 39 SEC 56.9 56.3 55.3 53.6		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-056

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 056
DATE 13 FEB 80

MICROPHONE:
ARRAY D1

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	100.0	105.7	108.7	110.3	115.2	116.5	119.5	119.9	119.6	119.5	120.4	119.5	118.9	120.6	125.5	130.4
	118.7	116.2	115.4	114.8	112.8	110.8	110.0	109.9		106.6	105.6					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	100.7	106.0	109.3	110.8	116.0	117.4	120.6	121.3	120.5	118.5	115.7	110.5	106.4	105.2	115.5	127.9
	102.7	102.2	101.0	99.9	99.6	98.1	97.1	96.2		93.3	92.8					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	99.2	105.4	108.0	109.6	114.4	115.2	118.1	117.9	118.4	120.4	122.6	122.3	121.8	123.5	128.4	132.0
	121.7	119.1	118.3	117.7	115.7	113.7	112.9	112.8	110.0	109.5	108.5	105.6	107.2			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	93.7	99.8	102.5	105.3	108.9	111.6	112.7	111.4	106.5	97.2	93.7	94.6	95.2	97.7	105.2	118.4
	96.8	96.3	95.0	94.6	92.3	90.5	88.8	87.5	85.6	83.1	81.1					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	82.1	88.0	91.2	92.9	94.8	95.1	90.1	86.9	79.4	67.6	67.1	70.2	71.3	73.1	81.1	100.8
	73.0	71.7	70.7	69.3	66.8	63.9										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	78.3	83.2	85.7	86.3	88.6	87.9	80.0	68.1	64.3	62.7	64.3	66.3	66.3	66.3	72.9	94.1
	65.3	63.9	62.2	58.7	54.9											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 38 SEC						
		71.0	74.7	74.4	74.6	72.3			63.2	59.3	58.2	61.5	64.7	64.8	64.5	68.3	81.1
	63.2	61.0	57.4	52.4	46.7											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 25 SEC						
										59.7	53.0	56.2	58.3	58.7	57.4	
	55.1	51.3	47.4													
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 37 SEC						
													59.7	60.0	57.7	
	55.4															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-057

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 057
DATE 13 FEB 80

MICROPHONE:
ARRAY 02

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.8	105.2	109.3	111.8	115.1	119.2	122.8	124.2	125.4	124.3	120.0	114.0	110.8	109.7	121.7	131.6
	111.1	111.7	111.3	110.3	108.1	106.0	105.2	105.2	102.7	100.0	97.0	93.7	93.5			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	98.9	104.6	108.8	111.6	115.0	118.5	123.2	125.1	127.0	126.3	122.3	114.4	107.7	97.5	120.7	132.6
	93.7	96.4	98.2	99.7	101.8	103.3	103.5	105.1	102.6	100.5	96.8	93.5	94.4			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	100.6	105.8	109.7	112.1	115.3	119.8	122.4	123.2	122.8	120.7	114.8	113.6	112.5	112.5	122.5	130.3
	114.0	114.6	114.2	113.2	110.6	107.6	106.4	105.4	102.8	99.5	97.2	93.9	92.4			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
		86.3	91.4	94.8	97.7	102.4	106.5	109.2	105.2	90.9	83.4	88.1	92.2	96.8	108.2	114.1
	99.1	102.1	102.6	100.9	95.1	92.0	89.8	85.2	82.9							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	76.4	85.4	91.1	94.2	94.9	89.7	83.9	74.0	67.3	67.2	72.9	79.4	82.2	86.1	89.0	99.9
	85.4	83.6	77.8	71.6	65.5	57.4										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 25 SEC						
	78.5	85.9	90.6	91.5	86.8	79.4	74.7	73.7	71.3	63.7	70.0	76.5	77.5	80.5	82.8	96.1
	79.2	76.5	70.3	61.0	53.3											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	76.5	84.9	88.5	87.7	82.7	83.2	79.7		71.8	70.0	71.6	74.7	78.7	81.8	83.0	94.1
	79.2	75.2	68.5													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-058

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 058
DATE 13 FEB 80

MICROPHONE:
ARRAY 02

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 101.0 104.4 108.1 110.3 116.2 119.5 123.5 124.8 124.7 119.5 111.1 112.4 112.8 114.9 115.5 116.2 115.4 113.8 111.7 109.9 108.6 107.8 105.9 103.0 101.5 98.9 98.7	123.7	131.2
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 101.6 104.8 108.2 110.5 116.5 119.6 123.7 124.7 124.8 119.4 111.3 112.4 113.0 115.0 115.6 116.3 115.7 113.9 111.8 110.3 109.1 108.4 107.0 104.1 103.2 100.7 101.0	124.0	131.3
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 100.2 104.1 107.9 110.0 115.9 119.4 123.3 124.9 124.7 119.5 110.9 112.4 112.7 114.6 115.4 116.1 115.1 113.8 111.5 109.5 108.0 107.0 104.5 101.3 98.7 95.7 93.8	123.5	131.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 86.2 90.8 94.6 99.9 103.7 109.1 110.5 104.6 87.8 87.2 93.5 98.1 103.2 107.4 109.7 108.0 104.2 100.8 97.1 93.5 90.0 86.6 82.8	114.0	117.4
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 29 SEC 76.7 83.9 88.6 92.4 94.6 90.1 77.5 71.8 65.2 61.0 66.8 73.5 78.6 83.7 84.6 82.2 80.2 71.8 63.0 55.1	87.8	98.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 26 SEC 75.7 82.8 86.6 88.4 84.3 73.7 73.1 71.3 63.8 58.6 64.2 71.5 75.6 78.1 76.2 73.8 69.5 60.3 52.0	80.2	92.8
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 29 SEC 72.6 79.3 82.7 83.0 77.5 74.3 68.1 62.7 67.6 70.1 71.7 72.1 69.4 64.9 56.2 43.9	75.3	88.1
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 29 SEC 71.2 77.5 80.3 79.1 78.9 77.0 72.4 62.2 68.2 71.5 72.8 71.8 68.6 64.0 53.5	75.4	86.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-059

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 059
DATE 13 FEB 80

MICROPHONE:
ARRAY D2

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC		
	98.6 103.2 107.1 109.7 114.1 116.7 120.5 122.8 123.9 122.7 119.2 114.6 110.2 107.8	120.0	130.0
	108.2 108.5 108.5 108.1 106.4 104.3 103.1 103.1 101.0 99.0 96.7 93.6 91.7		
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC		
	97.3 102.2 106.3 109.3 113.8 115.8 120.6 123.4 125.2 124.5 121.4 115.1 108.0 97.6	119.2	130.8
	90.9 92.4 94.4 96.2 98.3 99.8 99.8 102.3 101.1 100.0 98.1 95.2 93.3		
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC		
	99.7 104.1 107.8 110.0 114.4 117.4 120.4 122.1 122.1 119.7 114.3 114.1 111.6 110.6	120.6	128.9
	111.2 111.5 111.4 111.0 109.0 106.5 105.0 103.8 100.9 97.6 94.7 91.1 89.2		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 38 SEC		
	85.3 89.6 93.0 96.2 100.5 105.6 108.4 104.2 89.5 85.7 90.1 92.5 96.6	107.1	113.1
	99.4 101.6 100.7 98.3 95.8 91.4 88.2 83.6 82.0		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC		
	76.0 83.6 89.3 92.6 93.4 88.9 79.4 73.2 70.9 66.3 70.1 75.3 79.9 81.1	85.1	98.2
	81.0 79.8 75.6 67.6 60.0 52.2		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 33 SEC		
	77.0 83.8 88.4 89.7 86.1 76.0 72.1 73.0 70.2 64.6 70.6 74.6 77.0 78.4	80.9	94.3
	77.7 73.6 66.9 59.0 52.2		
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 36 SEC		
	74.5 82.0 86.4 86.3 81.1 77.6 74.7 71.6 71.2 66.6 66.8 69.7 73.9 74.7	77.1	91.4
	73.3 69.2 62.9 52.6 42.0		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 37 SEC		
	73.9 80.6 84.3 83.1 81.6 81.0 77.2 70.9 66.5 64.7 66.8 71.4 73.5 75.1	76.9	90.2
	72.6 68.9 60.5 49.5		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-060

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 060
DATE 14 FEB 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 47 SEC	
	100.4	104.7	108.1	109.8	114.3	115.5	118.2	118.1	117.4	115.1	115.6	115.4	114.6	115.0	113.4	110.8	110.1	109.6	107.6	105.6	105.2	104.8						120.4	127.0
S	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 47 SEC	
	101.1	104.9	108.5	110.2	114.7	116.1	118.9	119.0	118.3	114.7	113.0	109.5	106.2	102.6	97.7	96.0	94.9	94.7	95.3	94.5	93.5	91.9						112.7	125.8
T	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 47 SEC	
	99.6	104.5	107.6	109.4	113.7	114.7	117.3	117.0	116.2	115.5	117.2	117.8	117.3	117.9	116.3	113.8	113.1	112.6	110.4	108.4	108.1	107.7	103.6	103.4	102.1	98.0	99.1	123.2	127.9
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 47 SEC	
	94.8	98.9	102.1	104.6	107.8	110.2	111.8	110.7	106.1	96.7	91.4	93.0	94.9	97.0	97.2	97.4	96.6	96.4	94.8	93.9	92.8	91.7	89.4	86.7	83.1			106.3	117.6
C	DIST FROM SOURCE: 431 METERS																											OVERALL SAMPLE DURATION: 47 SEC	
	82.9	88.9	92.5	94.4	96.1	96.3	93.2	91.7	84.3	72.6	68.4	69.7	71.3	71.7	71.4	70.3	71.0	69.0	67.2	65.0	60.7							82.5	102.5
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 42 SEC	
	70.2	77.7	82.7	84.5	86.1	84.6	76.0	65.3	58.7	54.4	58.0	61.8	63.3	63.6	63.4	62.7	60.5	56.9	52.4	45.9								70.3	91.1
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 43 SEC	
	68.4	73.4	76.5	77.7	79.0	75.7	67.0	61.3	56.0	52.0	53.1	56.4	57.4	57.9	56.8	55.6	52.9	48.4	42.3	36.8								63.2	84.1
H	DIST FROM SOURCE: 2273 METERS																											OVERALL SAMPLE DURATION: 42 SEC	
				60.8	64.5	65.0	65.3	61.6							54.3	53.2												55.1	
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 40 SEC	
				65.0	70.7	72.8	72.4	68.3																				55.6	

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-061

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135B
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 061
DATE 14 FEB 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	100.7	106.2	108.6	109.8	112.6	113.8	115.3	114.9	112.7	110.9	109.3	107.2	105.3	103.9	110.9	122.6
	101.9	100.0	99.3	97.9	95.9	94.2			92.5							
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	101.3	106.4	109.0	110.1	113.1	114.4	115.9	115.8	113.5	110.7	107.1	101.7	96.7	91.9	107.0	122.8
	86.0	85.0	86.2	82.9	82.7	81.6			82.7							
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	99.9	105.9	108.1	109.4	112.1	113.1	114.5	113.8	111.6	111.0	110.8	109.5	108.0	106.8	113.1	122.5
	104.8	102.9	102.2	100.8	98.8	97.1	95.9	96.0	95.3	92.7	89.5					
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	93.2	95.7	97.7	98.9	100.9	102.8	103.4	101.7	96.7	88.6	81.2	78.0	77.0	76.6	90.9	109.7
	74.7	74.3	72.9	71.3	70.1	69.5										
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	84.8	87.9	90.8	91.2	92.6	92.4	89.2	85.8	78.9	67.8	60.1	58.2	57.7	57.3	76.2	99.2
	57.4	57.0	56.3	54.3	52.8	50.3										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 27 SEC						
	73.2	78.3	81.8	82.6	83.4	81.3	72.4	60.5	56.1	51.6	52.1	53.4	52.8	52.0	63.4	89.0
	50.6	49.6	46.9	44.3												
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	70.7	74.2	75.7	75.2	74.6	71.6	62.9					47.9	49.3	47.8	47.5	55.5	81.8
	45.9	44.7	41.8	37.3												
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 26 SEC						
	60.5	61.5	61.7	61.9												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-065

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 065
DATE 20 FEB 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	98.4 104.4 107.2 109.6 114.3 116.4 119.9 121.2 121.7 120.9 120.2 121.0 121.9 122.4 121.6 117.6 114.9 113.5 112.5 110.8 110.3 110.5 107.7 107.6 104.5 105.7	126.8	131.7
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	98.5 103.9 107.0 109.2 113.9 116.1 119.4 120.8 121.4 120.8 120.2 121.0 121.7 121.8 119.8 115.4 112.1 105.2 102.4 102.2 103.4 104.1 104.0 103.8 102.4 102.7	124.9	130.9
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 33 SEC		
	98.4 104.9 107.4 110.0 114.7 116.7 120.4 121.6 121.9 121.1 120.3 121.0 122.2 122.9 122.9 119.0 116.5 116.2 115.3 113.5 112.9 112.9 109.6 109.7 109.6 105.9 107.5	128.2	132.4
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 32 SEC		
	93.0 98.9 101.7 104.5 108.3 111.7 114.7 115.6 114.1 111.2 111.1 112.4 110.5 104.4 96.5 100.7 101.9 103.1 103.2 103.3 102.9 103.1 102.4 100.2 98.8 96.5 94.1	115.4	122.9
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 33 SEC		
	86.4 91.7 95.2 97.4 100.6 104.1 107.1 108.8 108.8 107.3 104.3 100.7 96.5 90.7 80.1 79.9 84.1 84.7 83.8 83.4 82.0 80.9 81.3	103.1	115.4
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 33 SEC		
	81.0 87.0 89.9 91.9 94.8 98.5 100.6 101.7 100.7 98.1 96.8 92.5 87.6 80.6 73.9 69.7 70.4 70.3 70.3 69.2 67.0 64.9	94.8	108.1
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC		
	76.6 82.0 84.5 86.0 89.0 92.8 93.6 92.7 88.9 86.2 84.0 79.2 70.9 63.2 63.7 64.3 64.3 63.5 61.5 59.0 57.3 54.4 50.0	83.6	99.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC		
	66.9 73.2 76.8 77.9 80.8 85.1 87.3 86.6 82.0 70.1 67.2 64.1 63.4 60.8 60.0 60.0 59.4 58.8 57.3 53.9	75.4	92.5
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC		
	64.9 69.5 71.4 72.4 74.0 77.7 80.5 79.7 76.0 66.1 58.4 56.4 55.8 54.8 55.3 55.7 55.0 52.6 49.4 45.6 40.3	69.0	85.8
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 29 SEC		
	62.4 67.1 69.5 69.5 70.6 74.5 76.5 76.2 71.9 61.7 56.4 54.2 53.5 53.3 54.4 54.1 54.0 52.5 48.5 44.1	65.8	82.2
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 27 SEC		
	64.9 67.4 67.4 68.7 72.0 74.5 74.0 69.4 51.3 51.5 51.8 52.2 51.1 49.3	63.1	79.9

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-067

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 067
DATE 20 FEB 80

MICROPHONE:
ARRAY 02

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.0	103.2	106.5	109.7	112.6	115.4	118.5	119.5	121.3	121.5	121.9	120.2	119.5	120.1		124.2	130.4
	118.2	114.5	111.9	107.7	106.3	104.8	104.7	106.7	106.1	105.2	104.3	101.4	99.1				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	98.1	102.8	106.1	109.6	112.5	114.4	118.2	119.7	122.2	122.5	122.8	120.8	120.9	122.3		125.5	131.4
	120.7	116.7	113.2	102.8	92.3	92.6	96.8	102.8	105.0	105.9	105.5	102.4	99.3				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.8	103.7	106.9	109.7	112.7	116.2	118.8	119.3	120.2	120.2	120.7	119.6	117.5	115.6		122.4	129.2
	112.0	109.7	109.8	109.9	109.3	107.7	107.4	108.7	107.0	104.4	102.6	100.0	98.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	88.5	94.6	98.8	102.5	105.1	109.5	113.7	114.4	114.9	115.1	116.7	117.0	115.8	114.6		118.4	125.0
	108.6	102.4	99.3	99.7	103.6	103.1	102.6	102.2	100.1	99.5	97.9						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	86.1	92.4	96.2	99.4	102.1	106.6	109.9	111.1	112.4	111.3	110.8	110.3	107.3	98.6		111.4	119.8
	88.2	92.0	95.4	99.0	100.2	98.5	96.3	94.8	95.9	92.5	88.5	84.3					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 27 SEC							
	78.2	84.3	88.0	91.3	94.2	97.9	100.5	100.2	97.6	93.6	92.3	83.0	71.8	71.7		97.6	106.7
	78.1	84.4	88.6	89.8	89.8	87.9	84.1	79.4	76.9	69.3	64.4						
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	75.2	80.1	83.2	86.6	89.6	93.2	96.3	95.0	91.1	80.4	71.5	69.7	65.2	64.8		84.2	101.0
	68.0	71.3	71.7	68.6	66.6	62.9											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 26 SEC							
	71.6	78.5	83.4	87.6	90.8	94.9	98.2	97.7	94.2	81.9	78.8	76.1	71.5	67.3		88.8	103.2
	69.8	74.9	78.0	79.2	77.6	76.3	72.0	65.8									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 28 SEC							
	72.7	79.2	83.3	86.6	90.1	92.9	95.4	93.9	88.7	75.8	71.9	71.3	69.3	67.6		84.1	100.2
	69.3	73.8	74.5	71.7	70.2	67.8	61.6										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	72.6	77.8	82.8	86.6	90.2	92.8	94.0	92.1	86.1	77.0	73.8	70.4	65.3	65.7		83.9	99.3
	70.2	75.9	76.7	74.4	69.3	64.0											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	73.8	79.6	83.9	88.0	92.3	95.1	96.4	92.6	83.6	77.9	73.2	70.0	66.4	70.3		85.0	101.0
	74.6	77.2	77.3	75.3	69.9	64.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-068

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 068
DATE 21 FEB 80

MICROPHONE:
ARRAY D1

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	95.4	101.6	105.2	108.2	113.2	116.1	119.9	122.3	123.2	122.4	120.4	120.4	119.9	119.6		125.7	131.4
	117.6	115.9	115.1	113.7	112.3	111.2	110.7	110.9	108.6	108.5	106.9	103.5	104.4				
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	93.2	98.4	102.3	104.9	110.0	113.2	116.8	119.2	120.5	119.9	118.5	118.9	118.6	119.1		123.1	129.0
	116.6	114.7	112.3	106.9	100.1	100.2	103.4	105.3	105.8	105.2	102.7	99.3	98.2				
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	96.8	103.5	106.9	110.0	115.0	117.8	121.7	124.1	124.8	124.0	121.8	121.5	120.9	120.5		127.3	132.9
	118.4	116.8	116.7	116.2	115.2	114.0	113.3	113.3	110.3	110.4	109.0	105.6	106.8				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	94.7	98.5	101.9	105.1	109.5	113.5	117.3	119.9	120.3	119.2	117.3	116.7	114.0	110.9		120.0	127.5
	104.4	106.7	109.0	109.8	108.4	105.8	104.0	105.2	103.7	102.5	100.6	98.1	96.2				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	86.0	91.7	95.9	98.8	102.7	107.3	110.7	113.4	113.9	113.2	110.3	107.4	102.3	93.2		112.2	120.6
	92.1	97.6	101.1	103.1	102.2	100.1	97.4	96.8	94.5	93.0	89.6						
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	82.1	88.3	92.3	95.1	99.5	104.5	107.9	110.5	110.1	107.3	103.9	96.0	85.2	81.8		107.9	116.4
	89.6	95.9	99.2	99.2	98.0	96.4	94.8	93.1	90.5	87.0	83.1						
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	71.5	77.8	83.2	86.9	92.5	98.2	101.4	101.8	99.4	93.5	84.5	80.0	78.2	74.9		93.7	107.1
	80.7	83.2	84.9	83.5	80.8	76.7	72.5	66.3									
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	70.6	76.2	80.2	83.3	88.8	94.4	97.1	97.5	93.9	85.3	75.4	71.1	67.3	70.7		87.8	102.5
	76.8	78.9	77.7	75.8	72.0	66.3	61.9										
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	71.1	75.3	80.6	83.6	88.1	94.4	95.9	96.5	93.0	82.0	74.8	71.7	69.8	71.1		86.0	101.6
	73.8	74.8	74.2	73.1	68.2	62.4											
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	68.0	73.8	78.9	82.4	87.0	93.1	94.2	93.2	89.3	80.2	70.0	64.6	64.1	69.3		83.2	99.3
	72.0	72.5	71.7	70.4	65.0	58.1											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	63.5	68.4	75.1	79.9	83.9	90.0	91.1	90.2	85.4	78.0	70.7	67.2	65.0	62.6		79.9	96.2
	64.6	68.0	68.8	67.0	64.2	56.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-069

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 069
DATE 21 FEB 80
OUTBOARD ENGINES USED

MICROPHONE:
ARRAY D1

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																	AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500					
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K						
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC									
	100.8	105.6	109.5	113.4	119.2	120.5	122.3	121.4	121.0	124.6	125.8	123.5	125.0	124.7				129.8	134.4
	121.8	120.5	120.0	118.5	114.1	112.8	114.2	114.1	113.0	112.4	110.3	108.1	108.9						
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC									
	101.1	105.5	109.7	113.4	119.3	120.7	122.4	121.7	121.6	125.4	126.8	125.1	127.1	127.1				130.6	135.5
	124.2	122.2	119.3	114.4	108.2	107.8	110.9	112.7	113.3	112.0	108.8	107.9	108.1						
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC									
	100.4	105.7	109.4	113.3	119.2	120.3	122.2	121.0	120.4	123.7	124.5	121.0	120.9	119.0				128.8	133.0
	116.3	117.4	120.6	120.6	116.5	115.1	116.0	115.2	112.8	112.7	111.5	108.3	109.6						
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC									
	96.4	100.0	103.8	107.5	113.8	115.2	117.4	116.6	116.3	120.1	120.5	116.7	114.3	111.1				121.1	127.6
	105.0	107.3	110.2	111.1	109.2	106.5	107.8	107.6	106.3	104.7	102.8	99.8	97.0						
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 30 SEC									
	89.8	93.4	97.7	101.6	107.8	108.8	111.2	110.7	110.3	114.2	113.5	107.8	102.9	94.9				114.0	120.9
	97.0	102.6	105.5	105.9	102.5	101.0	99.8	98.4	96.8	94.6	90.8	87.6							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC									
	86.0	89.7	93.8	97.5	103.9	105.4	107.8	106.9	105.7	107.8	105.7	95.8	85.0	84.5				107.9	115.5
	90.2	95.6	98.2	98.9	99.5	97.1	95.3	93.7	90.2	87.1	82.2								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 27 SEC									
	82.3	85.6	89.6	93.5	100.6	102.2	104.8	103.5	100.3	96.3	87.2	79.0	75.5	82.5				99.1	110.2
	88.3	90.7	91.4	90.4	88.9	85.6	83.3	79.7	74.2	66.7									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 25 SEC									
	74.5	79.3	85.0	89.7	96.9	99.0	102.0	99.7	94.2	91.1	84.8	76.4	76.0	73.1				91.9	106.5
	78.5	81.3	82.8	82.6	80.3	75.3	70.0	64.6											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 25 SEC									
	74.3	78.3	82.9	87.7	95.1	96.8	99.3	96.8	90.0	81.8	75.9	69.5	68.5	75.1				87.5	103.8
	77.2	78.8	78.6	74.4	69.6	66.4	61.0												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC									
	74.2	76.6	82.4	87.0	93.8	96.4	97.7	94.9	88.2	77.5	73.8	69.8	69.6	72.1				84.9	102.4
	74.2	74.0	73.6	70.4	65.3	60.6													
H	DIST FROM SOURCE: 2279 METERS									OVERALL SAMPLE DURATION: 30 SEC									
	71.1	75.6	80.5	85.4	92.6	94.8	95.6	90.9	83.7	75.4	69.7		64.0	69.9				82.1	100.2
	72.4	72.4	70.7	68.4	62.0														
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC									
	65.0	69.1	76.8	82.4	88.7	91.1	92.2	87.6	79.3	74.0	70.8	64.8	62.8	62.3				78.3	96.7
	64.1	65.4	66.9	63.9	60.1	53.9													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-070

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 070
DATE 21 FEB 80

MICROPHONE:
ARRAY 02

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 29 SEC		
	98.2 101.9 106.6 108.7 111.9 115.6 118.4 120.6 122.2 122.2 122.0 119.5 117.2 117.0 115.4 113.1 111.5 109.2 107.9 106.2 105.5 107.2 101.7 99.3 98.4	123.0	130.1
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 29 SEC		
	97.5 101.5 106.0 108.5 111.9 114.7 117.8 120.2 122.4 122.4 122.2 118.4 115.6 116.6 115.4 112.5 110.7 104.4 97.0 95.1 94.8 98.6 95.9 93.4 93.6	121.9	129.8
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 26 SEC		
	98.9 102.3 107.2 109.0 112.0 116.4 119.0 120.9 121.9 121.9 121.9 120.5 118.4 117.4 115.5 113.7 112.1 111.4 110.7 109.0 108.3 109.9 108.7 106.6 104.1 101.7 100.6	124.1	130.5
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC		
	88.1 94.8 99.3 102.6 105.2 109.8 114.0 114.8 114.9 114.8 115.3 113.1 111.3 109.6 106.0 103.9 101.7 99.4 100.4 98.5 98.0 99.6 97.0 96.1 94.9 90.9 91.2	115.6	123.5
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 22 SEC		
	85.0 91.4 95.0 96.6 99.0 102.6 105.6 105.2 104.7 102.8 100.8 98.3 96.3 92.6 87.4 84.5 83.5 84.3 83.7 82.3 81.7 80.6	100.7	112.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 29 SEC		
	75.3 78.0 80.6 80.5 82.7 83.3 83.8 80.4 81.2 75.2 72.4 71.4 71.3 68.6 67.7 67.6 67.6 66.1 64.8 63.1 61.3 57.3 52.9	77.6	91.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC		
	67.2 69.3 71.7 72.2 73.4 74.1 75.6 75.3 75.7 71.3 69.8 69.2 68.5 66.8 64.5 64.0 63.8 62.5 61.1 58.0 53.9	73.5	83.1
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 28 SEC		
	63.3 66.7 66.9 66.5 67.1 69.1 71.4 71.7 71.6 67.2 66.0 64.9 63.8 62.5 62.5 61.7 60.9 59.2 56.2 51.6	69.9	79.8
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 32 SEC		
	63.6 64.2 65.5 68.9 69.9 69.5 68.5 66.4 65.2 64.0 62.9 61.3 59.5 58.3 57.4 55.6 52.6 48.8	67.6	76.4
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 27 SEC		
	67.2 65.6 64.6 68.1 68.3 67.9 66.2 64.4 64.0 62.1 60.9 59.3 57.8 57.2 56.0 54.3 50.8 46.0	65.9	75.2
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: -29 SEC		
	70.7 69.5 67.5 66.3 65.2 63.9 61.8 61.0 58.8 58.7 58.1 55.9 52.2 48.1	67.3	75.7

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-102-071

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 071 DATE 22 FEB 80

MICROPHONE: ARRAY 02

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 21 SEC		
	96.8	101.2	105.1	108.1	112.6	115.4	120.1	122.9	125.4	123.0	122.1	118.1	115.4	114.2		124.5	131.4
	113.7	113.5	114.0	112.6	111.8	111.0	110.4	112.8	111.4	107.5	105.0	103.5	103.0				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 21 SEC		
	96.8	101.3	105.3	108.6	113.3	115.6	120.7	123.9	127.1	125.1	124.6	120.6	117.7	115.8		124.3	132.7
	111.0	105.3	108.0	104.8	106.4	109.9	110.0	113.3	111.9	106.7	103.4	103.0	102.7				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 24 SEC		
	96.8	101.1	104.9	107.5	111.8	115.3	119.4	121.7	122.6	119.0	115.6	112.0	110.4	111.8		124.8	129.5
	115.3	116.1	116.4	115.3	114.1	111.8	110.8	112.2	110.8	108.2	106.2	104.0	103.3				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	86.9	92.4	98.0	101.8	106.4	110.5	117.1	119.4	118.3	113.5	111.0	104.7	97.8	101.7		119.2	125.2
	106.9	111.3	112.7	109.6	108.4	106.7	104.9	105.8	103.1	100.7	98.9						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 25 SEC		
	85.9	91.2	95.5	98.6	104.3	108.2	113.6	114.1	112.5	104.5	99.9	90.7	92.8	99.7		112.8	119.9
	104.3	106.8	105.1	102.1	102.0	99.6	98.9	96.8	96.2	92.2	87.3						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 17 SEC		
	79.9	86.1	90.3	93.8	99.2	100.9	103.6	100.9	95.1	84.2	78.3	82.4	86.8	91.2		98.9	108.6
	92.9	93.2	91.4	87.9	86.2	83.7	81.2	75.5	68.6								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 25 SEC		
	76.7	83.4	88.3	90.7	94.4	96.1	98.2	93.8	89.6	78.5	75.8	76.4	81.3	86.1		92.5	103.2
	87.2	86.8	84.6	80.5	79.4	74.8	69.4	61.9									
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 26 SEC		
	76.4	82.3	85.8	86.8	87.1	84.9	82.4	82.2	78.9	70.7	71.4	71.9	76.8	79.9		83.5	94.2
	79.4	76.7	73.7	71.5	67.7	62.5											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 22 SEC		
		79.7	84.2	85.8		82.4	80.6	81.5	75.1	69.8	69.1	73.1	75.5	78.0		81.8	91.4
	77.0	74.9	72.5	70.6	66.4	60.3											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 22 SEC		
	74.8	80.0	83.3	85.2	85.4	82.7	81.1	79.4	74.5	69.8	68.2	72.4	76.0	79.1		82.0	92.3
	77.6	74.4	72.2	70.3	65.4	59.6											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-072

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 072
DATE 22 FEB 80

MICROPHONE:
ARRAY 02

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 25 SEC							
	98.7	102.7	107.6	110.6	113.8	118.7	120.6	123.6	125.9	126.1	124.9	120.2	117.5	116.7		124.9	132.8
	114.2	113.2	113.0	112.2	110.6	109.5	108.9	110.9	109.6	106.3	103.5	102.1	101.6				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 25 SEC							
	98.8	103.0	108.0	111.0	114.4	119.0	121.4	124.6	127.5	128.0	127.2	122.7	119.7	118.6		125.3	134.3
	112.6	105.9	104.3	102.2	103.3	106.9	107.8	110.8	109.5	104.9	101.2	101.1	100.7				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 24 SEC							
	98.5	102.3	107.2	110.1	113.0	118.3	119.8	122.5	123.2	122.5	119.4	113.6	112.7	113.2		124.6	130.5
	115.4	115.8	115.7	115.0	113.1	111.1	109.8	111.0	109.7	107.3	105.0	102.8	102.4				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	88.5	94.8	99.9	104.4	108.2	113.4	117.4	120.3	120.7	117.7	112.8	105.4	101.2	103.9		120.1	126.8
	108.6	112.1	113.1	109.7	109.5	107.3	105.2	106.3	102.9	101.3	100.2						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	87.6	94.1	98.4	101.6	106.9	111.5	113.8	114.3	113.6	108.1	100.4	92.7	94.9	101.5		112.7	120.8
	105.2	106.4	103.8	101.9	101.7	99.3	98.3	96.4	95.0	91.4	87.0	83.7					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	81.7	89.0	93.8	97.6	103.1	105.8	106.7	104.3	100.2	86.3	80.4	83.9	90.5	94.9		101.9	112.3
	96.7	96.3	93.1	89.8	88.4	85.8	83.8	78.5	72.1	64.1							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	77.3	85.4	90.6	93.6	98.0	99.2	96.9	92.1	92.2	84.9	81.6	82.3	84.7	91.8		96.9	105.3
	92.5	91.7	87.9	85.0	82.7	78.5	73.9	68.3									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	75.8	83.3	87.0	87.8	91.7	88.6	85.3	88.2	85.1	76.8	74.2	76.2	80.9	83.9		88.0	97.7
	84.0	81.6	78.3	76.6		69.0											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC							
		83.4	85.5	87.9	90.9	87.6	83.5	84.4	81.6	73.1	70.7	75.6	81.1	82.8		86.4	96.0
	82.3	79.5	77.1	74.0													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	79.0	85.0	87.2	89.5	92.6	90.4	87.6	90.7	88.7	78.1	74.7	77.7	83.6	85.3		89.1	99.3
	85.1	81.8	79.0	76.3		67.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 073
DATE 27 FEB 80

MICROPHONE: ARRAY 01

IDENTIFICAT
OMEGA 12.
TEST AA-10
DATE 05 FE
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 / 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OF
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 21 SEC 106.2 107.8 108.8 109.0 111.9 113.9 115.8 117.1 117.3 117.4 118.2 117.2 116.0 115.3 114.0 112.5 112.1 110.0 108.6 106.6 106.4 105.2 102.5 101.2	121.6	12
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 21 SEC 100.0 105.3 107.8 108.9 111.9 114.2 116.0 117.2 117.0 117.1 117.7 115.8 113.3 110.9 104.9 100.1 98.9 98.5 101.0 100.2 101.1 101.9 99.0 98.1	117.1	12
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 23 SEC 108.6 109.4 109.6 109.2 111.9 113.7 115.6 117.0 117.6 117.6 118.6 118.2 117.7 117.4 116.8 115.3 115.0 112.8 111.2 109.1 108.7 107.1 106.5 104.4 103.0 104.4 107.5	124.0	12
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 23 SEC 93.6 99.6 102.5 102.8 104.0 104.3 100.3 95.3 93.9 94.6 96.8 98.7 99.9 99.7 99.5 99.2 98.7 97.2 95.8 95.0 93.7 92.6 89.8 87.0 83.9	107.3	11
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 22 SEC 89.1 95.2 97.7 97.9 100.0 94.6 87.3 78.4 80.5 81.9 84.2 86.6 89.1 89.6 89.0 89.6 89.9 87.7 86.1 84.6 82.3 80.0 75.5 70.8 65.9	97.1	10
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 22 SEC 83.6 90.5 94.0 93.8 92.9 88.8 82.2 75.4 73.8 74.2 77.0 79.0 81.7 83.5 83.5 83.4 82.2 81.2 79.2 76.9 72.6 68.9	90.2	10
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 21 SEC 78.6 83.3 86.6 85.9 83.6 79.7 74.2 67.9 66.4 64.4 69.4 71.8 73.5 74.5 73.8 73.4 72.9 70.7 67.4 62.4	80.2	9
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 19 SEC 71.5 70.6 68.0 64.0 59.1 52.0		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 25 SEC 68.1 67.7 64.5 61.9 61.6 63.3 63.1 63.0 58.3 60.5 64.2 66.0 66.0 65.2 63.7 61.0 56.0 49.4 40.4	70.1	76
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 17 SEC 66.9 67.3 66.2 63.7 60.1 55.2		
H	DIST FROM SOURCE: 2279 METERS OVERALL SAMPLE DURATION: -2 SEC		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 8 SEC 57.9 59.4 59.2 60.2 57.5 55.1		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-074

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 074
DATE 01 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	98.8	104.1	107.1	108.7	113.3	114.9	118.7	120.8	121.5	120.0	119.7	119.1	119.3	118.6		124.6	130.1
	118.0	115.8	114.8	112.7	111.8	109.6	109.4	107.7									
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	98.5	103.7	106.6	108.3	112.9	114.5	118.3	120.3	120.9	119.3	119.0	117.8	117.3	115.1		119.7	128.4
	112.5	107.8	102.3	94.9	95.8	95.1	95.0	95.0									
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 41 SEC							
	99.0	104.4	107.6	109.2	113.8	115.2	119.1	121.3	122.0	120.6	120.2	120.1	120.7	120.5		127.1	131.4
	120.4	118.5	117.7	115.7	114.7	112.5	112.4	110.6	109.9	108.7	107.8	105.3	105.7				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	91.5	97.3	100.3	102.1	105.3	108.5	111.7	112.9	112.7	109.8	106.6	101.5	97.1	96.3		107.3	119.3
	96.4	96.3	95.2	93.4	90.9	90.1	88.2	87.5		83.7	82.7						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 42 SEC							
	84.8	90.9	93.5	95.8	97.8	101.4	103.9	104.6	103.7	98.5	92.3	84.6	80.6	78.9		95.5	110.6
	79.1	78.5	79.1	78.1	75.9	74.4	72.7	73.4									
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 41 SEC							
	78.9	85.7	88.9	90.5	92.3	95.1	96.8	96.4	93.4	85.8	77.8	69.6	68.5	69.3		85.8	102.8
	69.9	69.4	68.9	68.9	67.6	66.4	63.4	62.0									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	74.6	79.8	82.3	82.8	83.7	86.2	86.2	85.3	82.0	71.3	63.0	61.2	62.1	62.5		75.6	93.2
	63.2	63.4	63.3	61.7	59.8	57.2	54.5	51.3	46.4								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	68.1	73.0	76.5	75.7	77.4	78.4	77.8	74.9	69.4	60.4	55.4	56.9	58.0	58.3		67.5	85.3
	58.6	58.6	57.4	55.5	53.2	49.9											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	62.3	64.3	65.7	65.0	66.3	67.1	66.9	62.0	59.7	55.8	52.3	52.8	52.8	52.4		59.7	74.6
	52.3	52.1	51.2	48.1	44.5	40.6											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 50 SEC							
		60.6	63.3	61.2	61.4	64.2	60.7	58.8	57.8	51.8	50.5	52.0	53.2	52.6		58.8	70.9
	52.2	51.4	50.9	48.4	44.4												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 38 SEC							
			63.2	62.7	60.0	59.7	58.6	59.4	56.9	52.8	51.2	51.6	51.9	52.6		57.3	68.9
	50.4	49.6	48.7	44.7	42.0	35.2											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-075

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 075
DATE 01 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	98.6	104.2	106.9	108.2	115.0	114.4	117.1	118.8	118.2	116.6	117.4	116.7	116.4	114.8		121.3	127.6
	114.1	111.9	110.7	108.1	108.4	106.4	106.2	104.9		103.0	101.8	99.4	99.1				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	98.5	103.9	106.5	107.7	114.5	113.9	116.6	118.4	117.6	115.9	116.9	115.6	114.7	111.7		117.3	126.3
	108.7	104.4	99.1	93.9	97.4	97.9	99.4	100.0		98.7	98.5	96.9	96.0				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	98.7	104.4	107.4	108.7	115.5	114.8	117.5	119.2	118.7	117.2	117.9	117.6	117.6	116.6		123.4	128.6
	116.5	114.5	113.5	111.0	111.2	109.1	108.7	107.1	106.4	105.1	103.7	101.0	100.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	91.4	97.7	100.8	102.4	106.8	108.2	109.8	110.6	109.1	106.0	104.1	98.9	94.4	93.5		106.3	117.3
	93.6	94.0	95.0	94.6	93.8	94.0	93.0	92.8	92.1	89.1	85.2	83.2					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	85.3	91.6	94.2	96.5	100.3	101.4	102.7	102.6	100.4	95.0	90.1	82.2	80.0	80.1		94.1	109.4
	80.4	80.4	81.2	80.6	79.9	78.8	77.7	78.0									
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	79.7	87.0	90.2	92.3	96.5	97.5	98.2	97.0	93.1	85.5	79.3	71.8	71.6	72.0		86.9	104.4
	72.6	72.4	71.7	71.7	70.3	68.9	66.0	65.0									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	75.5	80.7	83.6	85.3	90.1	91.1	91.9	90.6	86.7	74.8	64.1	62.1	61.8	63.0		79.8	98.0
	64.2	64.5	64.8	63.2	61.4	58.7											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	68.5	74.3	76.3	77.4	81.2	81.8	81.9	78.9	73.4	62.3	55.4	56.3	57.3	58.0		69.6	88.3
	58.3	58.4	57.1	55.2	52.9	49.5											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 28 SEC							
		66.3	67.2	68.2	70.9	71.9	69.7	67.2	61.6	54.2	52.1	53.0	53.9	53.5		61.3	77.9
	53.0	53.0	52.2	49.4	46.0	41.7											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	60.1	63.4	64.3	63.2	65.6	66.6	64.8	61.7	56.6	48.7	48.1	51.0	53.1	53.0		59.5	73.3
	52.8	52.4	51.9	49.1	44.7												
I	DIST FROM SOURCE: 2877 METERS									OVERALL SAMPLE DURATION: 34 SEC							
			62.6	62.1	62.1	61.7	60.4	57.3	53.1	49.5	47.0	48.5	49.7	50.8		55.8	69.0
	49.0	48.2	47.9	44.0	41.2	34.7											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135B
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 076
DATE 03 APR 80

MICROPHONE:
ARRAY 01

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-076

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.9	104.8	107.9	108.5	112.9	114.2	117.2	118.5	118.6	117.4	115.8	112.9	110.1	107.0		115.1	126.0
	104.3	101.6	99.0	97.0	96.8	95.1		95.0	97.4	94.6	92.5						
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	100.8	105.5	108.4	109.0	113.4	114.9	117.8	119.1	119.1	117.9	116.2	112.9	109.7	105.7		114.6	126.4
	101.5	98.0	92.2	85.8	88.1	87.9		90.7	92.9	90.0	89.4						
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	98.9	104.1	107.3	107.9	112.3	113.5	116.5	117.8	118.0	116.9	115.4	112.9	110.5	108.0		115.7	125.5
	106.0	103.6	101.6	99.8	99.5	97.7	97.2	97.1	99.5	96.8	94.3	92.2	91.3				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	92.6	98.2	101.4	102.2	105.0	108.0	110.2	110.8	109.8	106.7	102.1	94.6	86.8	84.7		102.6	117.2
	84.0	83.9	83.4	82.5	81.5	81.8	81.7	83.1	84.6	81.0	77.3						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	86.6	92.4	95.2	97.3	98.2	101.4	102.9	102.6	100.7	95.3	87.3	77.0	71.6	69.5		92.4	109.3
	69.0	68.6	68.9	68.2	67.8	67.2											
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	81.2	87.9	91.4	92.9	94.4	97.0	97.7	96.3	92.0	83.7	74.8					85.1	103.8
	65.3	64.1	62.8		62.1	61.2											
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 28 SEC							
	77.8	82.9	86.1	87.9	89.2	92.0	92.5	90.7	85.9	73.3	65.6	63.5	61.3	60.7		79.4	98.5
	60.4	60.3	60.8														
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION. 26 SEC							
	71.7	77.5	81.1	83.1	83.4	85.0	85.1	80.9	73.7	62.1	55.8	55.3	55.1	55.2		70.8	91.4
	55.1	54.9	53.7		50.6												
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 28 SEC							
	67.5	70.8	74.3	74.9	75.8		75.1	71.9	66.1	57.4	52.7	51.1	49.7	48.8		61.2	82.2
	48.8																
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	67.6	69.9	72.7	73.4	73.1		73.5	68.6	63.3			50.2	50.2	50.2			
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 23 SEC							
		64.5	68.9	71.4	70.5	72.1	70.0	67.1	61.3								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-077

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 077
DATE 03 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	98.5	103.5	106.4	108.3	113.3	115.9	119.8	122.9	124.4	123.6	121.5	122.1	124.1	121.8	126.8	132.6
	119.7	116.3	114.0	112.4	112.3	110.2	110.6	109.8	109.7	108.3	107.8	105.9	105.6			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	99.2	104.1	106.8	108.8	113.8	116.5	120.4	123.6	125.1	124.3	122.3	122.7	124.4	121.3	125.7	132.8
	117.6	113.0	106.4	101.9	105.1	105.2	106.7	107.5	108.1	107.2	107.5	105.6	105.3			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	97.7	102.9	105.8	107.8	112.7	115.1	119.1	122.1	123.5	122.7	120.4	121.5	123.8	122.1	127.8	132.5
	121.1	118.2	116.7	115.2	114.9	112.5	112.6	111.3	110.8	109.3	108.2	106.2	105.9			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	91.3	96.9	100.1	102.1	105.8	109.9	113.1	115.3	115.6	112.7	106.7	98.1	99.2	101.1	115.2	122.0
	102.7	103.8	104.6	105.0	104.7	105.1	103.6	102.9	101.4	100.1	97.6	95.9	94.0			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	85.5	91.4	94.6	97.1	100.1	104.7	107.0	108.0	106.9	100.6	88.3	82.7	87.1	89.6	106.1	114.1
	92.4	95.2	97.2	97.8	97.1	95.3	93.0	93.4	91.0	87.6	83.9	80.9	79.5			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	80.7	87.8	91.8	94.1	97.7	101.9	103.1	102.0	95.4	84.2	77.2	78.7	83.6	87.3	101.8	109.0
	90.2	92.7	93.3	94.0	92.9	92.1	88.9	86.9	83.2	80.0	76.4					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	77.7	83.3	87.4	89.7	93.5	98.0	98.3	95.8	89.9	79.0	69.7	74.3	78.8	82.3	94.8	103.9
	85.5	87.1	87.1	86.7	85.4	82.6	80.0	77.5	74.0	67.7						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	73.3	80.3	84.6	86.6	90.2	92.9	91.4	86.1	79.7	71.9		70.1	74.5	77.7	87.9	98.1
	78.4	79.7	81.9	80.2	78.3	74.7	70.2	66.8								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	69.0	74.9	78.6	80.6	83.6	85.6	83.3	78.8	71.7	65.5	61.1	62.8	64.9	67.4	79.0	90.8
	69.4	72.2	72.7	70.7	68.7	65.5	58.3	54.1								
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	67.0	73.0	77.6	79.2	81.4	83.7	80.0	75.7	69.8	60.4	56.5	61.6	65.1	65.6	75.9	88.6
	66.7	68.6	69.9	67.9	64.9	60.5										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC						
		66.4	72.5	76.3	77.9	80.2	77.8	72.2	65.3	60.0	56.7	57.3	59.2	62.9	71.6	85.1
	62.6	64.5	65.3	62.1	60.9	55.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-080

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 080
DATE 10 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 19 SEC							
	98.8	103.2	105.8	107.3	110.5	112.5	113.8	115.3	114.4	114.8	115.7	114.6	113.2	112.2		119.3	125.0
	111.8	110.4	109.5	108.2	107.3	105.3	105.2	103.6									
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 19 SEC							
	99.1	103.3	105.7	107.1	110.3	112.2	113.4	114.7	113.7	114.0	114.7	113.0	111.3	109.0		114.5	123.4
	106.6	104.7	100.4	93.3	92.3	91.8	92.0	92.3									
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 19 SEC							
	98.5	103.2	105.9	107.4	110.8	112.7	114.2	115.8	115.1	115.5	116.5	115.7	114.6	114.0		121.7	126.2
	114.1	112.8	112.3	111.1	110.2	108.2	108.2	106.5		104.6	102.5		98.7				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 20 SEC							
	91.4	96.0	98.6	99.9	101.7	104.8	105.8	106.4	104.9	103.9	103.0	99.7	96.1	93.6		103.4	114.0
	93.7	92.5	91.7	90.8	89.1	88.3	86.9	86.5		82.0							
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 18 SEC							
	86.6	91.3	93.4	94.7	96.0	98.7	99.8	99.9	97.9	95.6	93.5	88.4	84.3	83.2		94.4	107.1
	83.9	83.5	83.1	82.1	81.1	80.0											
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 19 SEC							
	79.7	85.5	88.4	89.0	90.1	91.8	92.5	92.0	88.5	84.6	81.6	76.0	75.9	76.2		85.8	99.7
	76.3	75.8	75.0	75.0	73.6	72.0	69.2	66.9									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 17 SEC							
	75.6	79.7	82.6	81.9	83.3	84.5	85.0	84.0	81.1	74.1	71.6	69.1	68.6	68.1		78.2	92.4
	68.8	68.8	69.4	67.8	66.6	63.8											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 15 SEC							
		70.2	71.5	72.3	73.4		72.3		67.2	61.1	61.3	62.1	63.2	62.6		69.3	80.8
	62.9	62.1	61.3	58.7	56.1	52.3											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 15 SEC							
							64.3	63.7	61.3	57.8	58.1	58.2	58.0	57.6		64.1	71.4
	57.8	57.2	56.4	53.0	49.1	44.2											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 19 SEC							
									56.7	52.7	53.0	54.4	55.7	55.6		61.8	67.5
	56.1	55.0	54.4	51.5	47.0												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 16 SEC							

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-081

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 081 DATE 10 APR 80

MICROPHONE: ARRAY 01

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	99.8	105.1	107.9	109.6	112.8	115.6	117.6	119.5	119.3	118.7	118.0	115.6	114.5	113.6	113.2	112.0	111.2	109.1	108.0	105.6								120.5	127.8
S	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	100.1	105.2	107.8	109.5	112.6	115.4	117.3	119.0	118.5	117.6	116.8	113.5	111.6	109.1	105.8	103.6	99.6	92.4	89.4	87.9								115.7	126.4
T	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	99.4	105.0	107.9	109.7	112.9	115.7	118.0	120.0	119.9	119.5	118.9	116.9	116.2	115.8	115.8	114.7	114.0	112.1	111.0	108.5	108.5	106.5	105.7	103.8	102.1	99.8	97.9	123.3	128.9
A	DIST FROM SOURCE: 134 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	92.6	98.1	101.2	102.7	104.6	108.4	109.6	110.7	109.6	107.3	104.9	100.2	96.0	91.9	89.9	89.6	88.9	87.4	85.4	84.7	83.3	82.7		78.7	77.4			104.1	117.3
B	DIST FROM SOURCE: 238 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	87.9	93.7	96.2	97.7	99.0	102.1	102.5	102.4	100.4	96.3	92.3	86.1	82.9	81.9	81.4	81.9	81.3	80.1	79.1	77.5	77.0	75.8						94.4	109.6
C	DIST FROM SOURCE: 431 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	80.8	87.5	90.3	91.3	92.5	94.8	94.6	94.2	91.1	85.2	80.7	77.9	78.3	78.2	78.2	78.0	76.8	76.7	75.1	73.5								87.6	101.9
D	DIST FROM SOURCE: 753 METERS																				OVERALL SAMPLE DURATION: 30 SEC								
	75.5	79.6	81.8	82.0	81.6	83.8	84.6	84.5	81.3	76.3	75.7	74.0	73.1	72.7	72.7	72.4	72.7	70.9	68.9	65.8								80.9	92.4
E	DIST FROM SOURCE: 1255 METERS																				OVERALL SAMPLE DURATION: 24 SEC								
		73.0	74.5	71.7	73.8	76.8	75.0	74.1	74.6	70.4	68.3	68.5	68.5	68.5	69.0	68.5	67.8	65.0	62.3	58.3	51.4								75.5	84.3
F	DIST FROM SOURCE: 1757 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
				64.3	64.6	65.8	66.6	67.7	69.3	68.9	65.9	64.6	65.2	65.0	63.6	63.1	62.4	61.0	58.2	54.0	48.8								69.8	77.5
G	DIST FROM SOURCE: 2087 METERS																				OVERALL SAMPLE DURATION: 27 SEC								
						64.3	68.0	66.6	67.0	66.0	61.8	61.7	63.2	64.3	64.2	63.5	62.5	61.6	58.3	53.1	46.4								69.4	75.8
I	DIST FROM SOURCE: 2377 METERS																				OVERALL SAMPLE DURATION: 32 SEC								
								63.9	64.4	63.6	61.4	61.6	61.9	60.7	60.4	58.1	57.2	56.2	51.6	49.1									65.1	72.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: ONEGA 12.2 TEST AA-101-082

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 082 DATE 10 APR 80

MICROPHONE: ARRAY 01

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.4	104.4	107.1	108.6	113.3	115.2	119.0	120.5	120.2	119.3	118.4	117.1	116.0	114.5	121.5	128.6
	114.3	113.0	112.2	110.5	109.0	106.2										
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.7	104.5	107.0	108.4	113.1	114.9	118.5	119.9	119.4	118.3	117.3	114.9	112.8	109.6	116.4	127.1
	106.5	103.8	99.9	92.4	89.3	87.6										
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.1	104.4	107.3	108.8	113.6	115.4	119.4	121.0	120.9	120.2	119.4	118.5	117.8	116.7	124.2	129.8
	116.9	115.8	115.1	113.4	112.0	109.2	109.0	106.8	106.0	103.2	101.5	99.6	98.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	92.2	97.6	100.2	101.7	104.6	108.2	110.6	110.7	109.3	106.9	104.2	100.0	95.4	90.6	103.5	117.3
	88.3	87.1	86.4	85.1	83.2	81.9	80.1	79.5								
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	86.8	92.6	94.8	96.4	97.9	100.7	101.9	100.4	97.3	90.6	86.0	81.4	78.6	77.8	91.3	107.9
	78.3	78.4	78.2	76.8	75.6	74.0										
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	79.2	85.3	87.7	88.5	90.1	91.3	89.2	88.4	84.7	78.4	74.5	73.9	74.0	74.0	82.8	97.9
	73.9	74.2	73.2	73.5	71.8											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	74.1	78.3	79.3	77.8	77.8	77.0	77.1	76.9	76.8	72.9	69.2	70.1	69.4	69.3	78.7	87.9
	70.6	70.4	71.6	70.1	71.1											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
			70.1			68.1	69.4	73.2	71.8	70.4	66.3	64.1	64.7	64.9	64.0	70.7	79.8
	63.9	63.3	62.1	59.8	57.3	54.4										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC	
					65.9	65.3	68.1	71.6	72.0	70.1	66.8	64.5	64.3	64.0	62.2	69.1	78.5
	61.8	61.4	60.2	57.5	53.1	48.4										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC	
							66.5	67.9	67.6	66.7	61.2	61.2	59.5	60.1	59.9	66.4	74.7
	59.9	59.1	58.6	55.5	50.1											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC	
							66.3	66.5	64.3	61.5	59.7	59.1	58.1	59.2	64.1	72.3
	57.3	56.5	55.7	51.8												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-081

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION O1 HT AGL 1.5 M

EVENT: NUMBER 081
DATE 10 APR 80

MICROPHONE: ARRAY O1

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	99.8	105.1	107.9	109.6	112.8	115.6	117.6	119.5	119.3	118.7	118.0	115.6	114.5	113.6	113.2	112.0	111.2	109.1	108.0	105.6								120.5	127.8
S	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	100.1	105.2	107.8	109.5	112.6	115.4	117.3	119.0	118.5	117.6	116.8	113.5	111.6	109.1	105.8	103.6	99.6	92.4	89.4	87.9								115.7	126.4
T	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	99.4	105.0	107.9	109.7	112.9	115.7	118.0	120.0	119.9	119.5	118.9	116.9	116.2	115.8	115.8	114.7	114.0	112.1	111.0	108.5	108.5	106.5	105.7	103.8	102.1	99.8	97.9	123.3	128.9
A	DIST FROM SOURCE: 134 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	92.6	98.1	101.2	102.7	104.6	108.4	109.6	110.7	109.6	107.3	104.9	100.2	96.0	91.9	89.9	89.6	88.9	87.4	85.4	84.7	83.3	82.7		78.7	77.4			104.1	117.3
B	DIST FROM SOURCE: 238 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	87.9	93.7	96.2	97.7	99.0	102.1	102.5	102.4	100.4	96.3	92.3	86.1	82.9	81.9	81.4	81.9	81.3	80.1	79.1	77.5	77.0	75.8						94.4	109.6
C	DIST FROM SOURCE: 431 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	80.8	87.5	90.3	91.3	92.5	94.8	94.6	94.2	91.1	85.2	80.7	77.9	78.3	78.2	78.2	78.0	76.8	76.7	75.1	73.5								87.6	101.9
D	DIST FROM SOURCE: 753 METERS																				OVERALL SAMPLE DURATION: 30 SEC								
	75.5	79.6	81.8	82.0	81.6	83.8	84.6	84.5	81.3	76.3	75.7	74.0	73.1	72.7	72.7	72.4	72.7	70.9	68.9	65.8								80.9	92.4
E	DIST FROM SOURCE: 1255 METERS																				OVERALL SAMPLE DURATION: 24 SEC								
		73.0	74.5	71.7	73.8	76.8	75.0	74.1	74.6	70.4	68.3	68.5	68.5	68.5	69.0	68.5	67.8	65.0	62.3	58.3	51.4								75.5	84.3
F	DIST FROM SOURCE: 1757 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
				64.3	64.6	65.8	66.6	67.7	69.3	68.9	65.9	64.6	65.2	65.0	63.6	63.1	62.4	61.0	58.2	54.0	48.8								69.8	77.5
G	DIST FROM SOURCE: 2087 METERS																				OVERALL SAMPLE DURATION: 27 SEC								
						64.3	68.0	66.6	67.0	66.0	61.8	61.7	63.2	64.3	64.2	63.5	62.5	61.6	58.3	53.1	46.4								69.4	75.8
I	DIST FROM SOURCE: 2377 METERS																				OVERALL SAMPLE DURATION: 32 SEC								
								63.9	64.4	63.6	61.4	61.6	61.9	60.7	60.4	58.1	57.2	56.2	51.6	49.1									65.1	72.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-082

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 082 DATE 10 APR 80

MICROPHONE: ARRAY 01

DATE 05 FEB 87

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL	OASPL
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	(DBA)	(DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS								OVERALL SAMPLE DURATION: 31 SEC							
	99.4	104.4	107.1	108.6	113.3	115.2	119.0	120.5	120.2	119.3	118.4	117.1	116.0	114.9	121.5	128.6
	114.3	113.0	112.2	110.5	109.0	106.2										
S	DIST FROM SOURCE: 66 METERS								OVERALL SAMPLE DURATION: 31 SEC							
	99.7	104.5	107.0	108.4	113.1	114.9	118.5	119.9	119.4	118.3	117.3	114.9	112.8	109.6	116.4	127.1
	106.5	103.8	99.9	92.4	89.3	87.6										
T	DIST FROM SOURCE: 66 METERS								OVERALL SAMPLE DURATION: 31 SEC							
	99.1	104.4	107.3	108.8	113.6	115.4	119.4	121.0	120.9	120.2	119.4	118.5	117.8	116.7	124.2	129.8
	116.9	115.8	115.1	113.4	112.0	109.2	109.0	106.8	106.0	103.2	101.5	99.6	98.7			
A	DIST FROM SOURCE: 134 METERS								OVERALL SAMPLE DURATION: 31 SEC							
	92.2	97.6	100.2	101.7	104.6	108.2	110.6	110.7	109.3	106.9	104.2	100.0	95.4	90.6	103.5	117.3
	88.3	87.1	86.4	85.1	83.2	81.9	80.1	79.5								
B	DIST FROM SOURCE: 238 METERS								OVERALL SAMPLE DURATION: 32 SEC							
	86.8	92.6	94.8	96.4	97.9	100.7	101.9	100.4	97.3	90.6	86.0	81.4	78.6	77.8	91.3	107.9
	78.3	78.4	78.2	76.8	75.6	74.0										
C	DIST FROM SOURCE: 431 METERS								OVERALL SAMPLE DURATION: 32 SEC							
	79.2	85.3	87.7	88.5	90.1	91.3	89.2	88.4	84.7	78.4	74.5	73.9	74.0	74.0	82.8	97.9
	73.9	74.2	73.2	73.5	71.8											
D	DIST FROM SOURCE: 753 METERS								OVERALL SAMPLE DURATION: 30 SEC							
	74.1	78.3	79.3	77.8	77.8	77.0	77.1	76.9	76.8	72.9	69.2	70.1	69.4	69.3	78.7	87.9
	70.6	70.4	71.6	70.1	71.1											
E	DIST FROM SOURCE: 1255 METERS								OVERALL SAMPLE DURATION: 30 SEC							
			70.1			68.1	69.4	73.2	71.8	70.4	66.3	64.1	64.7	64.9	64.0	70.7	79.8
	63.9	63.3	62.1	59.8	57.3	54.4										
F	DIST FROM SOURCE: 1757 METERS								OVERALL SAMPLE DURATION: 32 SEC							
					65.9	65.3	68.1	71.6	72.0	70.1	66.8	64.5	64.3	64.0	62.2	69.1	78.5
	61.8	61.4	60.2	57.5	53.1	48.4										
G	DIST FROM SOURCE: 2087 METERS								OVERALL SAMPLE DURATION: 31 SEC							
							66.5	67.9	67.6	66.7	61.2	61.2	59.5	60.1	59.9	66.4	74.7
	59.9	59.1	58.6	55.5	50.1											
I	DIST FROM SOURCE: 2377 METERS								OVERALL SAMPLE DURATION: 31 SEC							
								66.3	66.5	64.3	61.5	59.7	59.1	58.1	59.2	64.1	72.3
	57.3	56.5	55.7	51.8												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-081

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 081
DATE 10 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 99.8 105.1 107.9 109.6 112.8 115.6 117.6 119.5 119.3 118.7 118.0 115.6 114.5 113.6 113.2 112.0 111.2 109.1 108.0 105.6	120.5	127.8
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 100.1 105.2 107.8 109.5 112.6 115.4 117.3 119.0 118.5 117.6 116.8 113.5 111.6 109.1 105.8 103.6 99.6 92.4 89.4 87.9	115.7	126.4
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 99.4 105.0 107.9 109.7 112.9 115.7 118.0 120.0 119.9 119.5 118.9 116.9 116.2 115.8 115.8 114.7 114.0 112.1 111.0 108.5 108.5 106.5 105.7 103.8 102.1 99.8 97.9	123.3	128.9
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 92.6 98.1 101.2 102.7 104.6 108.4 109.6 110.7 109.6 107.3 104.9 100.2 96.0 91.9 89.9 89.6 88.9 87.4 85.4 84.7 83.3 82.7 78.7 77.4	104.1	117.3
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 87.9 93.7 96.2 97.7 99.0 102.1 102.5 102.4 100.4 96.3 92.3 86.1 82.9 81.9 81.4 81.9 81.3 80.1 79.1 77.5 77.0 75.8	94.4	109.6
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC 80.8 87.5 90.3 91.3 92.5 94.8 94.6 94.2 91.1 85.2 80.7 77.9 78.3 78.2 78.2 78.0 76.8 76.7 75.1 73.5	87.6	101.9
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC 75.5 79.6 81.8 82.0 81.6 83.8 84.6 84.5 81.3 76.3 75.7 74.0 73.1 72.7 72.7 72.4 72.7 70.9 68.9 65.8	80.9	92.4
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 24 SEC 73.0 74.5 71.7 73.8 76.8 75.0 74.1 74.6 70.4 68.3 68.5 68.5 68.5 69.0 68.5 67.8 65.0 62.3 58.3 51.4	75.5	84.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 64.3 64.6 65.8 66.6 67.7 69.3 68.9 65.9 64.6 65.2 65.0 63.6 63.1 62.4 61.0 58.2 54.0 48.8	69.8	77.5
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 27 SEC 64.3 68.0 66.6 67.0 66.0 61.8 61.7 63.2 64.3 64.2 63.5 62.5 61.6 58.3 53.1 46.4	69.4	75.8
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 32 SEC 63.9 64.4 63.6 61.4 61.6 61.9 60.7 60.4 58.1 57.2 56.2 51.6 49.1	65.1	72.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 082
DATE 10 APR 80

MICROPHONE:
ARRAY 01

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-082

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS						OVERALL SAMPLE DURATION: 31 SEC										
	99.4	104.4	107.1	108.6	113.3	115.2	119.0	120.5	120.2	119.3	118.4	117.1	116.0	114.5		121.5	128.6
	114.3	113.0	112.2	110.5	109.0	106.2											
S	DIST FROM SOURCE: 66 METERS						OVERALL SAMPLE DURATION: 31 SEC										
	99.7	104.5	107.0	108.4	113.1	114.9	118.5	119.9	119.4	118.3	117.3	114.9	112.8	109.6		116.4	127.1
	106.5	103.8	99.9	92.4	89.3	87.6											
T	DIST FROM SOURCE: 66 METERS						OVERALL SAMPLE DURATION: 31 SEC										
	99.1	104.4	107.3	108.8	113.6	115.4	119.4	121.0	120.9	120.2	119.4	118.5	117.8	116.7		124.2	129.8
	116.9	115.8	115.1	113.4	112.0	109.2	109.0	106.8	106.0	103.2	101.5	99.6	98.7				
A	DIST FROM SOURCE: 134 METERS						OVERALL SAMPLE DURATION: 31 SEC										
	92.2	97.6	100.2	101.7	104.6	108.2	110.6	110.7	109.3	106.9	104.2	100.0	95.4	90.6		103.5	117.3
	88.3	87.1	86.4	85.1	83.2	81.9	80.1	79.5									
B	DIST FROM SOURCE: 238 METERS						OVERALL SAMPLE DURATION: 32 SEC										
	86.8	92.6	94.8	96.4	97.9	100.7	101.9	100.4	97.3	90.6	86.0	81.4	78.6	77.8		91.3	107.9
	78.3	78.4	78.2	76.8	75.6	74.0											
C	DIST FROM SOURCE: 431 METERS						OVERALL SAMPLE DURATION: 32 SEC										
	79.2	85.3	87.7	88.5	90.1	91.3	89.2	88.4	84.7	78.4	74.5	73.9	74.0	74.0		82.8	97.9
	73.9	74.2	73.2	73.5	71.8												
D	DIST FROM SOURCE: 753 METERS						OVERALL SAMPLE DURATION: 30 SEC										
	74.1	78.3	79.3	77.8	77.8	77.0	77.1	76.9	76.8	72.9	69.2	70.1	69.4	69.3		78.7	87.9
	70.6	70.4	71.6	70.1	71.1												
E	DIST FROM SOURCE: 1255 METERS						OVERALL SAMPLE DURATION: 30 SEC										
			70.1			68.1	69.4	73.2	71.8	70.4	66.3	64.1	64.7	64.9	64.0	70.7	79.8
	63.9	63.3	62.1	59.8	57.3	54.4											
F	DIST FROM SOURCE: 1757 METERS						OVERALL SAMPLE DURATION: 32 SEC										
					65.9	65.3	68.1	71.6	72.0	70.1	66.8	64.5	64.3	64.0	62.2	69.1	78.5
	61.8	61.4	60.2	57.5	53.1	48.4											
G	DIST FROM SOURCE: 2087 METERS						OVERALL SAMPLE DURATION: 31 SEC										
						66.5	67.9	67.6	66.7	61.2	61.2	59.5	60.1	59.9		66.4	74.7
	59.9	59.1	58.6	55.5	50.1												
I	DIST FROM SOURCE: 2377 METERS						OVERALL SAMPLE DURATION: 31 SEC										
							66.3	66.5	64.3	61.5	59.7	59.1	58.1	59.2		64.1	72.3
	57.3	56.5	55.7	51.8													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-081

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 081
DATE 10 APR 80

MICROPHONE:
ARRAY D1

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS								OVERALL SAMPLE DURATION: 34 SEC							
	99.8	105.1	107.9	109.6	112.8	115.6	117.6	119.5	119.3	118.7	118.0	115.6	114.5	113.6	120.5	127.8
	113.2	112.0	111.2	109.1	108.0	105.6										
S	DIST FROM SOURCE: 66 METERS								OVERALL SAMPLE DURATION: 34 SEC							
	100.1	105.2	107.8	109.5	112.6	115.4	117.3	119.0	118.5	117.6	116.8	113.5	111.6	109.1	115.7	126.4
	105.8	103.6	99.6	92.4	89.4	87.9										
T	DIST FROM SOURCE: 66 METERS								OVERALL SAMPLE DURATION: 34 SEC							
	99.4	105.0	107.9	109.7	112.9	115.7	118.0	120.0	119.9	119.5	118.9	116.9	116.2	115.8	123.3	128.9
	115.8	114.7	114.0	112.1	111.0	108.5	108.5	106.5	105.7	103.8	102.1	99.8	97.9			
A	DIST FROM SOURCE: 134 METERS								OVERALL SAMPLE DURATION: 34 SEC							
	92.6	98.1	101.2	102.7	104.6	108.4	109.6	110.7	109.6	107.3	104.9	100.2	96.0	91.9	104.1	117.3
	89.9	89.6	88.9	87.4	85.4	84.7	83.3	82.7		78.7	77.4					
B	DIST FROM SOURCE: 238 METERS								OVERALL SAMPLE DURATION: 34 SEC							
	87.9	93.7	96.2	97.7	99.0	102.1	102.5	102.4	100.4	96.3	92.3	86.1	82.9	81.9	94.4	109.6
	81.4	81.9	81.3	80.1	79.1	77.5	77.0	75.8								
C	DIST FROM SOURCE: 431 METERS								OVERALL SAMPLE DURATION: 34 SEC							
	80.8	87.5	90.3	91.3	92.5	94.8	94.6	94.2	91.1	85.2	80.7	77.9	78.3	78.2	87.6	101.9
	78.2	78.0	76.8	76.7	75.1	73.5										
D	DIST FROM SOURCE: 753 METERS								OVERALL SAMPLE DURATION: 30 SEC							
	75.5	79.6	81.8	82.0	81.6	83.8	84.6	84.5	81.3	76.3	75.7	74.0	73.1	72.7	80.9	92.4
	72.7	72.4	72.7	70.9	68.9	65.8										
E	DIST FROM SOURCE: 1255 METERS								OVERALL SAMPLE DURATION: 24 SEC							
		73.0	74.5	71.7	73.8	76.8	75.0	74.1	74.6	70.4	68.3	68.5	68.5	68.5	75.5	84.3
	69.0	68.5	67.8	65.0	62.3	58.3	51.4									
F	DIST FROM SOURCE: 1757 METERS								OVERALL SAMPLE DURATION: 34 SEC							
			64.3	64.6	65.8	66.6	67.7	69.3	68.9	65.9	64.6	65.2	65.0	63.6	69.8	77.5
	63.1	62.4	61.0	58.2	54.0	48.8										
G	DIST FROM SOURCE: 2087 METERS								OVERALL SAMPLE DURATION: 27 SEC							
						64.3	68.0	66.6	67.0	66.0	61.8	61.7	63.2	64.3	64.2	69.4	75.8
	63.5	62.5	61.6	58.3	53.1	46.4										
I	DIST FROM SOURCE: 2377 METERS								OVERALL SAMPLE DURATION: 32 SEC							
							63.9	64.4	63.6	61.4	61.6	61.9	60.7	60.4	65.1	72.2
	58.1	57.2	56.2	51.6	49.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-082

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 082 DATE 10 APR 80

MICROPHONE: ARRAY 01

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.4	104.4	107.1	108.6	113.3	115.2	119.0	120.5	120.2	119.3	118.4	117.1	116.0	114.9	121.5	128.6
	114.3	113.0	112.2	110.5	109.0	106.2										
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.7	104.5	107.0	108.4	113.1	114.9	118.5	119.9	119.4	118.3	117.3	114.9	112.8	109.6	116.4	127.1
	106.5	103.8	99.9	92.4	89.3	87.6										
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.1	104.4	107.3	108.8	113.6	115.4	119.4	121.0	120.9	120.2	119.4	118.5	117.8	116.7	124.2	129.8
	116.9	115.8	115.1	113.4	112.0	109.2	109.0	106.8	106.0	103.2	101.5	99.6	98.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	92.2	97.6	100.2	101.7	104.6	108.2	110.6	110.7	109.3	106.9	104.2	100.0	95.4	90.6	103.5	117.3
	88.3	87.1	86.4	85.1	83.2	81.9	80.1	79.5								
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	86.8	92.6	94.8	96.4	97.9	100.7	101.9	100.4	97.3	90.6	86.0	81.4	78.6	77.8	91.3	107.9
	78.3	78.4	78.2	76.8	75.6	74.0										
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	79.2	85.3	87.7	88.5	90.1	91.3	89.2	88.4	84.7	78.4	74.5	73.9	74.0	74.0	82.8	97.9
	73.9	74.2	73.2	73.5	71.8											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	74.1	78.3	79.3	77.8	77.8	77.0	77.1	76.9	76.6	72.9	69.2	70.1	69.4	69.3	78.7	87.9
	70.6	70.4	71.6	70.1	71.1											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
			70.1			68.1	69.4	73.2	71.8	70.4	66.3	64.1	64.7	64.9	64.0	70.7	79.8
	63.9	63.3	62.1	59.8	57.3	54.4										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC	
					65.9	65.3	68.1	71.6	72.0	70.1	66.8	64.5	64.3	64.0	62.2	69.1	78.5
	61.8	61.4	60.2	57.5	53.1	48.4										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC	
							66.5	67.9	67.6	66.7	61.2	61.2	59.5	60.1	59.9	66.4	74.7
	59.9	59.1	58.6	55.5	50.1											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC	
								66.3	66.5	64.3	61.5	59.7	59.1	58.1	59.2	64.1	72.3
	57.3	56.5	55.7	51.8												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-083

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135B
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 083
DATE 10 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 33 SEC								
	100.9	106.2	108.7	109.5	111.8	113.7	115.2	116.3	115.3	114.4	112.5	108.8	106.3	104.3	102.9	101.5	100.1	97.9	96.5	94.0								112.4	123.7
S	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 33 SEC								
	101.2	106.2	108.6	109.4	111.5	113.5	114.9	115.8	114.6	113.5	111.4	106.9	103.5	100.1	96.1	93.6	88.6	81.1	79.5	79.2								109.7	123.0
T	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	100.6	106.1	108.8	109.7	112.0	113.8	115.6	116.8	115.9	115.1	113.4	110.1	108.0	106.4	105.4	104.2	103.0	100.8	99.5	97.0								114.0	124.3
A	DIST FROM SOURCE: 134 METERS																				OVERALL SAMPLE DURATION: 32 SEC								
	93.8	99.3	102.0	102.5	103.8	106.0	107.1	107.3	105.4	103.1	99.2	91.5	84.4	78.8	??.i	76.7	77.7	75.2	73.9	75.6								98.6	114.4
B	DIST FROM SOURCE: 238 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	88.4	94.0	95.8	96.4	97.1	98.5	99.0	97.8	94.7	89.7	83.8	75.5	70.6	69.2	68.0	67.9	67.8	66.0	65.0	63.8								87.7	106.2
C	DIST FROM SOURCE: 431 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
	82.0	88.5	90.8	90.8	91.4	91.6	90.9	89.0	84.7	76.9	73.5	68.9	67.5	66.0	65.0	64.1	62.7	62.1	60.3	58.5								79.2	99.3
D	DIST FROM SOURCE: 753 METERS																				OVERALL SAMPLE DURATION: 29 SEC								
	80.4	85.6	88.1	87.5	87.8	89.0	88.3	85.8	82.9	76.4	72.0	68.7	66.9	64.9	63.4	61.7	61.8	59.1	56.5	53.7								77.0	96.4
E	DIST FROM SOURCE: 1255 METERS																				OVERALL SAMPLE DURATION: 31 SEC								
	77.4	79.9	79.4	78.5	77.6	77.9	79.8	78.5	77.1	73.6	70.1	70.1	69.6	67.4	64.9	62.8	61.4	58.1										73.6	88.5
F	DIST FROM SOURCE: 1757 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
		75.9	74.6	74.3	75.3	77.0	78.5	77.4	76.1	72.4	69.8	69.3	69.3	67.3	64.1	61.0	58.3	55.0		45.0								72.6	85.7
G	DIST FROM SOURCE: 2087 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
		64.9	66.4	66.4	66.6	68.2	68.5	66.8	64.0	59.5	60.7	62.6	62.1	59.3	55.0	50.5	48.0											63.6	75.8
I	DIST FROM SOURCE: 2377 METERS																				OVERALL SAMPLE DURATION: 34 SEC								
			65.4				70.5	71.4	69.8	66.6	62.9	61.3	63.3	62.4	60.8	56.0	52.3												65.6	77.8

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-087

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 087 DATE 11 APR 80

MICROPHONE: ARRAY D1

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	99.0	103.8	107.3	108.8	112.5	115.1	117.8	119.9	120.0	119.0	119.0	119.0	119.1	118.0		123.9	129.4
	117.4	115.8	113.8	111.9	110.7	108.7	108.8										
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	99.3	104.0	107.3	108.8	112.4	115.2	117.7	119.7	119.8	118.5	118.5	118.1	117.7	115.4		119.9	128.1
	112.4	109.9	104.6	98.3	96.8	95.3	94.7										
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	98.6	103.6	107.3	108.9	112.6	115.1	117.9	120.1	120.2	119.4	119.4	119.7	120.1	119.6		126.3	130.5
	119.6	118.2	116.6	114.8	113.7	111.6	111.8	110.1	109.5	108.2	107.2	104.9	104.4				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	91.4	96.6	100.4	101.6	104.0	108.3	110.2	111.4	110.8	108.5	106.2	103.6	100.0	95.9		106.3	118.1
	94.2	93.1	91.7	90.2	88.5	88.5	87.4	87.1		83.8							
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	86.4	92.1	95.5	96.7	98.3	102.3	103.5	104.0	102.7	98.5	94.5	89.4	84.2	83.0		96.2	110.5
	83.0	83.2	83.0	81.8	81.2			78.3									
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	79.9	86.4	90.3	90.9	92.8	95.8	96.2	95.8	92.7	87.4	81.8	76.2	75.8	76.6		87.7	102.9
	77.0	76.4	75.8	75.7	74.3	77.5											
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 28 SEC							
	76.4	80.4	84.0	83.8	85.6	89.1	89.2	88.0	85.0	76.7	69.2	68.3	69.0	69.9		80.2	95.7
	70.2	70.6	70.3	69.1	67.7												
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	69.4	73.7	77.4	76.3	78.0	80.5	79.9	76.6	73.0	67.6	62.9	64.0	65.2	65.1		73.1	86.9
	65.2	65.4	64.7	62.8	60.7	57.5											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 25 SEC							
	66.7	69.9	72.4	69.4	69.7	70.5	73.0	70.0	67.6	64.5	62.7	62.3	62.2	61.7		68.7	80.4
	61.3	61.4	60.6	58.0	55.0	51.1	44.3										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	62.9	65.7	68.9	65.6	66.1	66.2	67.8	65.9	63.2	58.2	57.4	58.4	60.1	59.6		65.7	75.7
	59.2	58.3	58.0	55.4	51.0	46.1											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
				66.0	66.0					66.2	65.5	62.7	60.5	58.6	57.7	57.5	59.1	64.7	73.2
	58.0	57.6	57.4	53.6	50.9												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-088

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135B
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 088
DATE 16 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500				
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K					
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	101.1	106.1	108.5	109.3	112.5	115.0	118.1	119.1	119.8	118.4	116.8	114.0	110.2	106.2			115.6	126.8
	102.5	100.0	99.3	97.7	97.6	96.1			97.7									
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	101.6	106.5	108.8	109.8	112.9	115.5	118.6	119.7	120.5	119.3	117.7	114.8	111.0	106.2			115.9	127.4
	101.2	96.6	89.1	89.4	93.4	93.7			96.6									
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	100.7	105.6	108.2	108.8	112.1	114.4	117.5	118.3	118.9	117.4	115.8	112.9	109.2	106.1			115.4	126.0
	103.5	101.8	102.1	100.4	99.7	97.7			98.7	95.0	92.9	92.0	95.5					
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	94.2	99.4	102.5	103.9	105.6	109.9	111.5	112.1	111.4	107.3	100.7	90.1	87.5	88.8			104.3	118.5
	90.5	92.1	92.1	91.2	89.1	87.7			84.9									
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	89.0	94.2	97.0	99.1	100.7	104.3	105.6	105.1	102.7	95.5	84.2	78.0	79.0	81.2			96.1	111.7
	82.8	84.5	85.2	84.5	82.5	81.6												
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	83.4	89.7	92.8	94.5	96.6	99.0	100.2	98.4	94.1	83.6	76.4	72.1	72.8	74.1			88.8	105.9
	75.7	76.9	76.5	76.1	74.0	71.7												
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 29 SEC								
	77.8	82.0	85.0	86.4	88.2	90.0	91.0	88.4	85.2	74.7	66.3	61.6	60.5	60.6			78.1	97.0
	61.2	61.6	61.3	60.5	57.3													
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 25 SEC								
	72.2	76.9	79.4	80.3	81.4	82.9	84.0	79.3	74.5	65.0	57.7	56.4	56.8	57.0			70.3	89.8
	57.4	57.5	56.5	53.5	51.4													
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	69.4	72.7	75.5	75.7	76.1	76.4	76.0	71.5	66.2	60.7	55.8	53.7	52.4	52.1			63.3	83.9
	52.0	51.7	50.0	45.5	39.1	35.8												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC								
	66.5	70.4	74.4	74.6	74.1	74.0	72.2	67.0	62.2	55.0	51.5	51.9	52.5	52.7			60.2	81.6
	52.9																	
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 29 SEC								
	65.0	70.3	72.3	72.0	72.1	70.7	64.6	62.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-089

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 089
DATE 17 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 29 SEC 98.5 103.9 106.8 108.6 112.9 114.5 117.5 119.2 119.4 117.7 117.4 117.4 117.6 116.8 116.6 114.9 113.7 111.9 110.8 108.6 108.8	123.1	128.5
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 29 SEC 98.9 104.0 106.8 108.5 112.8 114.4 117.4 118.9 118.9 116.9 116.5 115.8 115.0 112.8 109.9 105.8 101.0 95.9 93.5 91.1 91.5	117.5	126.7
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 98.1 103.7 106.8 108.6 113.0 114.5 117.7 119.5 119.8 118.4 118.2 118.5 119.2 118.9 119.1 117.7 116.6 114.8 113.8 111.6 111.8 109.9 109.1 107.7 106.4 104.2 103.5	125.9	129.9
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 29 SEC 91.5 97.4 100.4 102.1 104.9 108.3 110.5 111.1 110.2 107.1 104.7 102.8 100.1 97.2 95.8 94.0 91.8 89.8 87.9 87.4 85.7 84.7 79.6	105.8	117.8
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 29 SEC 86.0 92.3 95.2 96.8 98.6 102.2 103.7 103.4 101.7 96.7 92.8 88.7 85.3 82.2 81.6 81.2 80.1 78.8 77.8 76.0 73.5 72.0	95.0	110.1
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 29 SEC 79.0 86.2 89.5 90.8 92.9 95.5 96.3 95.7 92.5 85.6 80.6 76.3 75.3 75.2 76.2 76.4 74.8 74.3 72.3 69.7 65.9 61.5	87.0	102.7
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC 74.6 79.9 82.9 83.4 85.3 88.4 88.3 86.7 83.1 72.9 65.1 67.0 67.6 67.6 67.8 68.0 67.5 64.6 61.9 57.9	78.4	94.8
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 27 SEC 66.4 73.0 76.2 76.3 78.3 80.1 80.6 77.3 70.5 63.3 59.7 61.4 62.7 62.4 62.0 61.8 60.3 57.1 52.7 46.7	70.1	86.7
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC 63.3 68.0 70.5 70.4 71.0 72.6 71.9 70.7 67.5 59.8 57.0 57.7 58.4 57.7 57.4 57.1 55.3 50.9 44.7 37.0	64.7	80.0
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 27 SEC 59.7 64.7 68.0 66.9 66.7 68.0 65.4 63.4 61.7 54.5 53.4 54.8 56.5 56.0 55.1 53.3 51.4 46.8	61.1	75.5
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 28 SEC 64.1 65.5 64.7 65.2 64.1 61.9 59.8 56.0 55.9 56.1 54.2 52.4 50.9	59.6	72.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-090

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 090
DATE 18 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	97.9	103.8	106.2	107.9	112.3	114.3	116.8	118.6	118.2	117.5	118.3	117.6	116.8	117.7	122.5	128.1
	116.9	113.6	112.4	111.3	110.2	107.6										
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	98.1	103.8	106.0	107.7	112.1	114.2	116.4	118.0	117.4	116.5	117.0	116.0	114.6	114.2	117.9	126.3
	111.2	105.6	102.4	96.9	94.5	92.0										
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	97.7	103.7	106.3	108.1	112.5	114.4	117.1	119.1	118.9	118.4	119.2	118.7	118.2	119.6	125.3	129.6
	119.2	116.2	115.1	114.2	113.1	110.6	110.4	108.9	108.1	106.3	104.9	102.3	101.3			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	91.3	97.4	100.0	101.7	104.7	108.4	110.0	110.8	109.6	107.6	106.5	103.4	100.0	99.0	106.6	117.8
	98.1	95.7	93.6	91.6	89.6	88.9	87.0	86.5								
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	86.1	92.6	94.9	96.6	98.6	102.4	103.5	103.8	102.1	98.1	95.3	89.8	84.8	82.0	95.6	110.4
	80.5	79.8	79.7	78.6	77.5	76.3	73.8									
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	79.7	86.8	89.9	91.5	94.2	97.1	97.6	97.1	93.8	88.1	82.6	76.0	74.3	75.5	88.2	104.0
	77.1	77.1	75.9	75.2	73.2	71.5	68.1	65.2								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	75.1	80.5	83.4	84.7	87.8	91.4	91.5	90.2	85.9	74.2	70.0	68.9	68.7	70.3	81.1	97.5
	70.4	70.2	69.9	68.2	65.7	62.5										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	68.4	75.4	78.5	78.8	80.7	82.8	82.9	80.9	75.8	67.7	64.0	64.9	65.3	66.3	73.9	89.5
	66.6	65.9	64.4	61.3	58.1	53.6										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 23 SEC	
	64.3	70.7	72.6	72.4	75.0	75.1	73.3	70.2	66.4	63.2	61.3	61.8	62.4	62.6	68.3	82.0
	61.7	61.2	59.7	56.2	51.4	45.6										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC	
		62.9	66.9	68.7	68.6	69.1	67.4	64.2	62.5	59.1	58.6	58.9	59.1	60.4	64.3	76.2
	58.4	57.0	55.4	50.5												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-092

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 092
DATE 22 APR 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	97.3 102.3 105.6 107.4 111.4 114.3 118.0 119.4 120.0 118.2 116.6 116.0 115.5 113.8 114.8 113.9 112.7 110.4 109.4 106.9 107.0 105.3	121.8	127.9
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	96.9 101.8 105.0 106.8 110.9 113.9 117.5 118.6 119.0 116.9 115.1 113.6 112.0 108.7 106.7 103.8 99.8 92.4 91.3 90.2 89.5 89.0	115.5	125.9
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	97.6 102.7 106.1 107.9 111.9 114.6 118.5 120.0 120.8 119.2 117.7 117.6 117.4 116.1 117.4 116.7 115.6 113.4 112.4 109.9 110.0 108.3 108.0 105.8 104.1 101.6 100.5	124.5	129.4
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC		
	90.5 95.4 98.6 100.0 102.0 106.2 108.3 108.0 107.2 103.7 99.9 95.7 90.7 86.2 85.7 85.2 84.2 82.8 81.6 81.4 80.0 79.4 76.8	100.6	114.8
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC		
	84.5 89.3 92.1 93.6 94.5 98.2 98.8 96.7 93.7 87.4 81.9 78.0 77.8 77.5 77.5 77.5 77.3 75.5 74.5 73.2 71.1 69.7	88.8	104.8
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 32 SEC		
	76.0 80.1 82.6 82.7 83.6 85.4 82.3 79.9 76.9 73.3 70.6 70.6 71.8 71.6 71.7 71.2 70.1 69.1 67.3 65.3 61.9 58.5 52.4	79.1	91.9
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC		
	69.0 70.9 71.8 69.2 69.4 69.7 72.5 71.0 70.0 65.7 62.7 63.8 64.1 64.1 63.6 62.6 62.1 59.6 56.9 53.2	70.3	80.9
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC		
	67.2 66.3 64.7 61.3 58.3 60.2 61.0 61.4 60.3 58.6 56.2 52.8 49.0 43.9	65.8	73.2
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 25 SEC		
	64.0 62.2 57.1 55.5 58.1 59.7 60.3 59.5 56.6 53.6 49.2 43.8	63.9	70.4

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-102-093

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 093
DATE 22 APR 80

MICROPHONE: ARRAY 02

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 26 SEC						
	96.6	101.0	104.8	107.1	112.7	114.9	119.9	121.5	122.6	118.6	116.9	111.4	107.9	108.8	119.8	128.4
	110.0	110.2	109.9	108.2	107.0	105.8	106.0	105.8	105.2	101.3	99.6	96.3	95.7			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 26 SEC						
	96.8	101.3	105.3	107.6	113.4	114.9	120.7	122.6	124.3	120.6	119.4	113.5	107.9	105.1	118.8	129.5
	102.0	100.8	102.6	100.7	103.0	104.3	105.0	106.2	105.1	99.8	95.9	94.9	93.7			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	96.4	100.7	104.4	106.5	111.9	114.8	118.9	120.1	119.9	114.9	110.3	107.4	108.0	110.8	120.7	127.0
	112.7	113.0	112.5	110.8	109.1	107.0	106.9	105.5	105.4	102.4	101.5	97.4	97.1			
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 26 SEC						
	77.0	83.1	88.2	91.1	95.6	97.6	97.3	90.8	83.7	75.4	74.2	79.4	84.0	89.8	95.0	103.6
	90.6	89.0	87.6	82.5	79.9	78.1	73.0	68.3	61.8							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 18 SEC						
		80.8	85.6	87.2	90.7	90.4	84.5	78.4	73.3	74.4	74.6	78.0	82.0	87.3	91.4	97.6
	88.2	84.8	84.2	76.9	73.5	70.5	62.7									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 15 SEC						
	72.3	78.7	83.5	84.2	84.8	81.4	79.5	77.0	74.0	69.0	70.8	73.6	74.6	76.5	81.4	91.5
	77.0	75.5	73.0	66.2	64.2	57.7										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 22 SEC						
		79.0	84.0	84.9	84.6	81.2	75.6	76.1	79.0	72.7	71.6	73.8	75.2	77.5	80.2	91.5
	75.5	73.4	69.4													
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	71.2	77.3	81.0	81.9	80.7	79.0	76.3	72.3	72.6	68.6	68.1	71.3	75.0	75.2	78.3	88.7
	73.6	70.9	67.2	62.8	60.0	54.0										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 23 SEC						
	70.0	76.2	80.1	80.2	78.7	78.1	77.6	74.1	72.7	67.6	68.1	71.3	76.6	77.2	79.7	88.1
	76.3	70.8	66.6	62.6	58.6	52.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-094

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 094 DATE 06 MAY 80

MICROPHONE: ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	96.1	101.6	105.3	107.3	111.8	115.0	119.4	121.2	122.2	120.7	118.5	118.0	118.1	117.1		122.8	129.6
	115.5	113.3	112.0	109.6	109.1	106.7	106.8	105.9		103.0	101.3	98.9	97.9				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	94.6	100.3	104.4	106.7	111.5	115.0	119.4	121.3	122.2	120.6	118.1	116.5	114.7	111.7		118.9	128.6
	107.5	104.3	102.6	101.5	102.4	102.0	101.9	101.3		99.2	98.0	96.6	96.4				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	97.2	102.6	106.0	107.8	112.1	115.0	119.4	121.1	122.2	120.8	118.8	119.2	120.0	119.4		124.9	130.4
	118.1	116.1	114.8	112.3	111.6	108.9	109.1	108.0	107.2	105.0	103.2	100.4	98.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	91.7	97.0	100.7	102.4	105.5	109.4	112.1	112.3	111.4	107.0	100.5	96.1	98.1	99.0		111.1	119.0
	99.0	100.5	101.1	100.7	100.2	100.8	99.9	99.5		94.5	90.5	87.7	85.9				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	87.4	93.0	96.2	98.2	100.8	104.0	105.5	103.4	99.8	92.0	85.2	86.0	89.7	92.1		103.9	111.5
	93.3	95.0	95.8	94.8	95.0	94.0	91.1	89.3		81.7	76.3						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	81.5	88.2	92.1	93.3	96.4	98.2	98.7	95.1	89.1	82.2	80.0	80.2	83.8	85.7		95.6	104.9
	87.5	87.7	87.4	87.0	86.3	84.5											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	64.7	70.2	74.2	73.9	75.4	73.1	72.5	68.7	63.7	58.5	57.0	61.0	62.4	63.1		68.7	81.6
	62.6	62.2	61.2	57.5	52.6	46.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-096

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135B
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 096
DATE 08 MAY 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 25 SEC 101.4 105.8 108.6 111.0 112.0 114.0 113.6 114.2 109.8 105.6 103.6 101.6 100.1 97.6 95.4 93.3 91.5 88.5 87.8	105.8	121.3
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 25 SEC 100.2 104.8 108.0 110.6 111.9 114.1 113.8 114.6 110.3 105.9 103.5 100.4 97.1 92.8 87.3 84.9 83.2 82.3 83.7	104.7	121.3
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 24 SEC 102.4 106.5 109.1 111.3 112.1 113.9 113.4 113.7 109.3 105.3 103.7 102.6 101.8 99.9 98.0 96.0 94.2 91.0 89.8	106.8	121.3
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 24 SEC 97.1 101.3 102.6 105.0 105.4 106.3 104.6 105.6 101.0 93.2 84.8 82.4 84.4 84.8 84.4 84.5 83.1 80.5 78.2	95.4	113.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 25 SEC 92.7 97.2 98.2 100.3 99.5 99.3 95.5 94.9 90.4 82.3 77.7 77.8 78.0 76.7 76.3 76.4 77.3 75.7 71.3 69.4	86.6	107.0
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 25 SEC 86.8 91.8 93.1 94.7 94.5 93.6 88.4 83.8 79.1 73.6 70.5 70.6 71.4	77.4	101.2
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 20 SEC 82.5 86.1 87.6 89.0 88.7 87.2 80.9 73.8 70.0 64.0	69.0	95.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 20 SEC 77.7 81.7 82.4 83.3 81.6 77.1 64.1 58.1 55.6 57.0 57.6 58.6 58.4 57.8	64.7	88.6
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 16 SEC 74.3 77.5 77.5 76.3 71.1 61.4 59.7 54.2 51.0	56.1	83.5
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 15 SEC 70.9 75.8 77.7 76.9 76.2 72.6 65.1 59.1 50.3 51.3 52.6 51.4	57.3	83.5
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 20 SEC		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-097

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 097
DATE 08 MAY 80

MICROPHONE:
ARRAY 02

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	100.1	103.6	107.2	110.5	112.8	116.4	119.0	120.8	121.6	120.0	115.5	109.8	111.1	110.6	120.4	128.3
	111.4	111.1	110.8	110.1	108.3	105.7	105.6	105.6	104.5	101.3	99.7	96.1	96.5			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	99.7	103.5	107.3	110.7	113.1	116.3	119.8	121.9	123.4	122.2	117.8	109.2	105.0	101.1	117.8	129.1
	98.8	97.9	98.7	99.1	102.0	102.7	104.0	105.7	103.8	99.0	95.2	93.6	93.3			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 27 SEC	
	100.4	103.7	107.1	110.3	112.4	116.5	118.2	119.4	118.4	115.7	110.2	110.4	113.5	113.4	121.9	127.3
	114.3	114.0	113.7	112.9	110.8	107.4	106.8	105.4	105.2	102.8	101.8	97.7	98.3			
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 26 SEC	
	84.3	89.2	94.0	96.5	98.7	101.5	99.0	92.2	84.7	69.9	73.6	80.0	83.5	90.4	102.1	107.6
	95.7	97.7	97.2	91.8	87.3	84.1	81.2									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	80.5	85.2	89.8	92.0	93.8	94.6	90.5	83.5	76.1	68.1	68.5	75.1	79.5	85.5	91.8	100.6
	85.9	84.8	86.7	82.6	77.3	72.1	67.4	61.2								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	76.4	81.5	85.4	86.9	87.4	86.5	82.4	75.3	70.2	60.6	60.7	66.6	71.0	76.4	84.8	94.1
	77.2	83.0	77.7	69.4	63.7	60.5										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	74.1	79.3	83.3	83.4	81.3	79.4	77.1	74.0	67.4	61.2	64.5	71.7	75.7	78.3	81.4	90.3
	76.7	76.2	71.7	66.8	62.3	56.5										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	70.2	75.9	79.3	79.6	78.9	78.0	73.7	70.2	66.4	64.0	63.8	69.4	72.0	72.4	78.8	87.2
	75.1	74.1	70.6	64.5	57.6	52.6										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	69.1	74.1	76.1	76.8	77.0	76.9	72.5	66.4	62.3		58.8	63.4	66.5	68.3	75.3	84.6
	71.8	71.3	67.7	59.3	52.0	46.9										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	67.4	72.6	75.2	74.8	76.0	76.0	72.0	65.2	61.0		58.8	64.5	67.3	69.6	75.0	83.7
	72.7	70.2	64.7	57.2	51.0	43.7										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-101-098

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 098 DATE 09 MAY 80

MICROPHONE: ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500		
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	97.5 102.6 106.4 107.8 112.1 113.9 116.5 118.4 118.8 118.1 118.0 118.0 118.6 116.7	122.3	128.1
	115.1 112.6 111.4 109.4 109.0 106.6 106.6 105.2 102.5 101.3		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	96.2 101.7 105.7 107.4 112.0 114.1 116.6 118.6 118.9 117.9 117.4 116.1 115.3 111.0	117.5	126.7
	106.0 103.1 101.1 98.9 99.8 98.3 98.0 97.2 95.9 95.8		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	98.4 103.4 107.0 108.1 112.3 113.8 116.4 118.3 118.8 118.2 118.4 119.3 120.5 119.1	124.6	129.3
	117.8 115.3 114.2 112.2 111.7 109.2 109.3 107.8 107.6 105.0 103.6 101.4 100.8		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC		
	87.5 92.7 95.7 96.7 98.8 100.8 101.0 100.2 97.7 91.7 87.6 84.3 82.5 82.3	92.4	108.0
	80.9 80.9 80.7 79.0 78.0 76.5 74.4		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC		
	81.1 87.1 90.4 90.6 92.6 93.1 91.8 88.9 84.8 79.4 76.0 75.7 76.6 76.5	84.7	99.9
	76.0 76.1 75.3 74.6 72.5 70.6		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 26 SEC		
	75.5 79.9 83.2 83.7 86.0 86.0 83.4 77.9 71.6 64.8 63.5 66.7 69.0 68.2	75.2	92.3
	67.6 66.8 66.4 63.9 61.1 57.4		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 33 SEC		
	68.1 71.8 74.8 73.9 75.1 73.8 71.7 66.8 64.2 60.3 59.9 62.9 64.2 63.5	68.6	82.2
	62.6 61.6 59.6 56.2 52.0 46.2		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC		
	61.2 64.1 64.7 62.3 62.6 61.1 61.9 60.7 58.9 55.9 56.0 59.2 60.4 60.1	64.7	73.2
	59.3 58.2 56.2 51.5 45.7 38.3		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC		
	63.5 64.1 59.6 57.0 55.5 56.8 59.5 60.8 59.9	63.9	69.5
	58.5 56.7 54.7 50.2 42.9		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC		
	51.5 50.8 52.5 55.6 56.5 57.4	61.5	64.7
	55.6 54.5 52.9 47.3 41.7		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-101-099

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

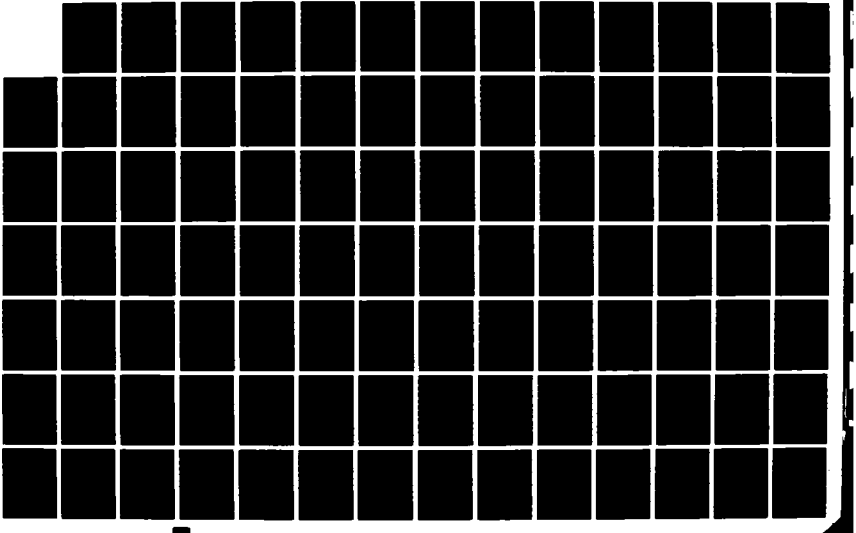
EVENT:
NUMBER 099
DATE 09 MAY 80

MICROPHONE:
ARRAY 01

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	96.5 101.5 105.2 106.5 110.9 113.1 115.9 117.4 117.6 116.7 116.0 114.6 113.4 112.7 113.0 111.5 110.9 108.9 107.9 105.5	119.8	126.2
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	94.9 100.2 104.3 106.0 110.6 113.0 115.7 117.0 116.9 115.5 114.2 111.4 107.4 103.8 99.8 95.5 92.1 88.8 88.2 86.1	112.5	124.2
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	97.6 102.5 106.0 107.0 111.2 113.2 116.1 117.7 118.3 117.7 117.3 116.5 115.8 115.5 115.9 114.5 113.9 111.9 110.9 108.5 108.1 106.6 106.3 103.3 101.7 98.6 98.7	122.9	127.7
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 29 SEC		
	91.8 96.7 100.3 101.4 104.0 107.5 108.7 108.5 106.7 103.1 99.3 95.5 93.2 91.3 90.5 89.6 88.2 86.2 84.4 83.6 81.6 80.2 75.5	101.4	115.4
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 29 SEC		
	87.0 92.1 95.3 96.3 97.9 100.9 100.9 99.8 96.1 89.7 84.8 82.2 81.7 81.1 80.5 80.9 81.1 79.4 78.3 76.9 74.0 71.6	91.9	107.5
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 29 SEC		
	80.5 86.2 90.1 90.9 92.4 94.2 92.6 88.1 82.4 76.4 72.1 73.9 74.5 74.4 74.4 74.7 73.7 72.8 72.8 72.9	83.8	100.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC		
	74.2 78.8 82.2 82.6 83.7 84.4 82.1 76.3 70.1 65.6 63.7 66.9 68.0 67.9 67.8 66.9 66.0 63.2 60.3 58.3	74.6	90.8
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC		
	73.2 70.8 67.4 63.2 62.9 60.0 58.8 60.7 61.4 60.9 60.0 58.8 56.5 52.7	65.7	76.4

AD-A191 289 OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1 2/8
EXPERIMENTAL STUDY FOR.. (U) HARRY G ARMSTRONG AEROSPACE
MEDICAL RESEARCH LAB WRIGHT-PATTE.. R G POWELL JUN 87
UNCLASSIFIED AAMRL-TR-84-017-VOL-1 F/G 20/1 NL



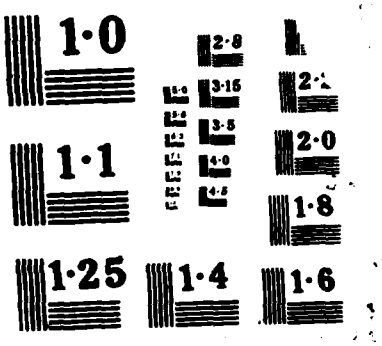

1·0
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TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-102-100

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 100
DATE 09 MAY 80

MICROPHONE:
ARRAY D2

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	96.3	100.0	103.1	104.8	111.3	113.1	118.0	119.7	119.5	114.3	112.2	105.3	105.5	106.7		118.4	125.9
	108.8	109.3	109.4	108.5	106.9	105.0	105.2	105.0	104.6	101.0	98.1	93.9	93.7				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	96.0	99.8	103.2	105.0	111.8	113.1	118.6	120.7	121.2	116.3	114.5	105.3	99.7	97.9		115.9	126.6
	97.6	96.8	99.2	99.3	101.8	103.0	103.6	105.3	104.9	100.8	95.7	92.5	92.3				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	96.5	100.1	103.0	104.5	110.8	113.2	117.3	118.4	116.8	110.2	106.9	105.2	107.8	109.4		120.0	125.2
	111.7	112.2	112.2	111.3	109.1	106.3	106.3	104.6	104.3	101.2	99.7	94.9	94.8				
B	DIST FROM SOURCE: 230 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	83.9	90.0	93.2	95.4	101.0	103.4	106.7	104.6	98.2	90.5	78.4	82.0	86.5	90.9		106.5	112.2
	95.7	99.1	101.1	100.3	94.4	91.8	91.4	86.5		76.9	73.6						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	80.3	86.5	89.5	91.6	96.1	97.3	95.7	85.6	80.2	67.5	72.5	78.8	84.2	89.0		100.7	104.8
	93.5	96.1	96.4	89.9	85.0	83.2	78.1	73.6	68.8								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	76.1	82.1	84.6	86.1	90.4	89.3	85.4	78.9	76.2	69.1	70.3	73.5	77.2	81.6		89.8	96.6
	85.2	84.7	82.9	79.7	76.7	72.2	65.6	63.7									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	72.0	78.8	80.6	81.4	84.5	81.5	77.1	71.7	68.2	66.8	67.9	70.7	73.6	76.6		82.9	90.5
	77.8	78.0	76.0	72.5	67.8	60.6	49.6										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	67.3	75.0	77.5	77.6	79.6	74.2	69.7			67.2	68.0	68.1	69.8	72.4		77.3	85.7
	73.4	72.2	68.8	63.8	55.5												
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	67.2	74.0	76.1	76.9	79.3	75.1	69.5		67.3			65.5	69.3	70.9		75.8	84.9
	71.5	71.0	68.0	61.2													
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 28 SEC		
	66.2	72.5	75.1	75.2	78.4	75.5	70.5	68.8	65.7	63.7	65.2	65.9	70.1	72.4		76.5	84.6
	72.3	71.9	67.6	60.1	50.9	42.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-101

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 101
DATE 09 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	98.8	103.5	106.9	109.7	113.3	116.8	118.9	120.9	122.1	121.8	121.8	120.0	120.9	120.7	126.2	131.4
	119.5	117.3	115.1	113.6	112.3	110.3	110.4	110.5	109.6	107.6	107.6	104.5	104.3			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	98.5	103.4	106.9	109.8	113.4	116.4	119.2	121.8	123.4	123.0	122.4	119.3	118.7	116.8	122.9	130.8
	111.6	106.4	105.2	105.2	106.4	107.1	107.9	109.1	108.7	106.0	106.8	104.9	104.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.1	103.6	107.0	109.6	113.2	117.1	118.7	119.8	120.2	120.2	120.9	120.6	122.4	122.8	128.1	131.9
	122.2	120.1	117.9	116.3	114.7	112.1	112.0	111.6	110.3	108.8	108.3	104.1	104.3			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	90.1	94.9	98.8	101.3	104.4	108.4	110.1	110.3	109.1	103.2	96.0	95.3	98.8	101.9	113.3	118.0
	102.9	102.8	103.9	104.5	104.1	104.2	99.7	98.2	98.6	97.1	93.9	92.9	90.8			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	87.4	91.0	95.7	97.0	99.9	103.9	103.6	102.1	96.9	86.3	82.1	85.6	88.5	90.9	104.6	110.6
	92.2	92.9	94.5	95.7	95.9	96.0	92.8	90.7	89.6	88.7	86.0	83.5	81.3			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	81.6	86.3	91.7	93.5	96.1	98.9	95.6	87.4	80.4	74.1	72.8	75.6	78.3	80.6	97.4	104.0
	83.2	84.7	86.8	89.1	90.7	89.8	83.6	82.5	81.4	77.1	72.6	70.6				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	77.9	80.7	86.6	88.7	91.1	93.6	88.9	80.9	71.7	62.0	66.8	72.9	76.1	79.5	95.3	99.6
	82.5	85.9	88.5	89.5	88.4	81.0	75.2	72.4	74.5	70.0						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	73.3	76.5	82.8	84.2	85.5	85.3	79.3	68.9	61.7	58.4	59.7	65.4	69.1	72.8	84.7	92.1
	76.8	77.3	74.7	77.1	76.9	74.2	70.2	66.2	63.8							
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	70.7	74.3	78.7	78.9	79.4	79.9	76.7	68.8	59.5	57.7	58.4	65.6	71.4	76.4	82.7	88.4
	79.3	77.8	72.6	73.7	66.5	62.1	59.9	57.0								
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	67.6	70.3	75.2	74.8	75.3	74.2	68.6	62.0	57.9		57.1	64.7	68.6	71.6	78.4	83.8
	72.8	67.9	73.6	69.9	65.1	63.1										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	66.9	71.2	75.5	75.2	75.2	76.2	68.7			52.5	60.0	66.6	69.6	72.8	79.2	84.5
	70.6	74.4	74.1	69.3	62.4	57.1	55.5	47.6								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-102

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 102 DATE 09 SEP 80

MICROPHONE: ARRAY D4

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	96.5	101.6	104.5	107.4	113.4	115.4	118.7	121.4	121.2	117.5	114.5	111.1	111.4	112.8		121.1	128.0
	111.3	111.1	111.3	110.1	108.9	107.3	108.4	108.3	106.9	104.4	105.1	101.3	101.4				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	96.0	101.2	104.8	107.4	113.6	115.2	119.2	122.4	122.8	119.5	117.0	110.7	104.7	102.7		118.8	128.5
	99.3	98.5	101.5	103.4	106.0	106.0	106.6	108.2	107.0	103.0	105.0	102.0	101.4				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	96.9	102.0	104.1	107.3	113.3	115.6	118.1	120.1	118.5	113.4	108.1	111.4	114.0	115.6		122.6	127.4
	114.2	114.0	114.0	112.7	110.6	108.2	109.7	108.5	106.8	105.4	105.1	100.5	101.4				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	90.9	96.3	99.6	101.9	107.4	110.2	113.2	114.0	110.2	99.2	89.9	96.6	99.4	101.6		112.9	119.8
	101.9	103.5	105.3	105.4	104.1	99.4	96.6	98.2		94.8	93.0	91.6	88.2				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	84.7	90.9	94.4	96.9	102.2	104.1	105.5	102.9	94.3	80.1	84.9	92.8	97.3	100.3		111.6	114.1
	101.6	103.9	105.6	104.0	97.9	99.7	99.7	95.8		90.5	86.3	83.7	80.0				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	79.3	85.8	89.3	91.4	95.8	95.9	93.2	87.2	79.8		75.8	84.2	91.1	96.1		103.2	105.9
	97.6	98.4	95.5	91.3	89.0	90.5	86.6	83.9	83.5								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	75.8	82.8	86.6	88.5	92.7	91.6	85.9	76.5	69.5	61.5	66.1	69.9	76.4	81.3		89.4	97.9
	83.1	83.1	85.2	76.4	69.9	74.4	72.9	66.7									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	77.1	83.9	87.6	88.6	91.2	89.7	85.4	80.9	77.3	73.9	76.8	79.1	76.9	78.4		85.1	96.9
	79.0	78.6	76.4	74.1	72.7	69.9	66.8	63.5									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	77.8	82.1	83.3	77.4	77.9	82.4	80.3	76.7	79.0	76.8	77.0	83.0	84.5	85.2		89.5	94.1
	83.7	83.2	82.0	74.6	75.2	71.6	66.9	63.7									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	67.2	73.6	82.0	80.7	81.4	86.0	89.0	89.3	85.1	78.9	86.7	91.8	92.4	90.5		93.1	99.2
	82.2	82.1	81.3	76.2	73.5	70.8	67.2	61.9									
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	67.4	77.9	79.2	75.0	80.3	81.9	80.7	74.3	69.6	69.1	76.2	76.9	75.3	75.0		79.8	89.1
	74.3	71.4	69.8	66.6	64.5	61.3	54.8										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	68.2	74.7	69.9	73.9	75.8	75.6	74.8	68.6	70.7	65.4	71.6	73.6	75.9	75.6		78.3	85.4
	71.3	70.1	68.5	62.9	60.6	57.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-103

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 103 DATE 09 SEP 80

MICROPHONE: ARRAY D3

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	98.7	104.6	108.0	110.7	114.9	118.9	122.1	125.1	126.4	125.5	122.3	121.1	122.9	120.5	127.6	133.8
	119.7	118.9	116.2	113.9	113.7	112.3	112.4	113.1	112.4	110.3	110.7	108.1	107.7			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	98.5	104.5	107.9	110.9	115.1	118.7	122.5	126.1	127.8	126.8	123.2	120.4	121.1	116.7	125.6	133.9
	110.9	107.7	107.6	108.9	110.3	110.9	111.8	113.2	112.8	110.0	111.2	109.4	108.6			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	98.9	104.7	108.0	110.5	114.7	119.1	121.7	123.8	124.3	123.5	121.2	121.8	124.2	122.4	129.0	133.7
	122.5	121.8	118.9	116.2	115.5	113.3	113.0	113.0	112.0	110.6	110.2	106.3	106.6			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	89.5	95.5	99.4	101.6	105.5	109.9	112.3	113.7	112.2	105.5	93.4	96.1	101.1	103.0	115.5	120.5
	105.5	106.7	108.2	108.6	104.7	99.8	102.4	99.4	98.7	97.8	94.8	93.4	90.8			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	86.6	91.8	96.5	97.9	101.1	105.4	105.6	104.6	99.4	86.3	80.2	85.5	90.1	92.5	108.2	112.9
	95.9	99.3	102.3	102.7	96.1	93.5	94.9	89.7	88.6	88.0	82.8	79.2	75.6			
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	80.9	86.9	92.5	94.2	97.5	100.7	97.8	90.0	83.7	73.6	69.0	73.3	78.4	82.2	98.6	105.7
	87.6	92.2	94.4	90.5	85.7	81.9	81.8	78.4	76.1	74.8	69.5	68.4				
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	77.3	82.3	87.8	89.9	92.5	95.6	91.3	84.7	74.3	63.7	61.3	67.3	71.8	75.4	90.7	100.0
	80.4	84.9	86.5	81.5	79.2	70.9	71.3	70.4	69.0							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	73.2	78.5	84.7	86.0	87.3	87.2	80.5	70.5	68.4	60.9	63.0	70.5	72.4	77.1	86.4	94.0
	80.9	83.0	77.4	77.2	71.9	67.6	67.7	65.2	59.1							
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	70.2	75.4	79.8	80.5	80.4	80.5	77.0	73.9	71.4	64.8	58.3	62.5	71.2	74.9	77.8	88.2
	73.7	67.6	69.7	66.9	59.3	54.6	54.0									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	65.5	71.3	76.0	76.7	77.3	76.4	70.6	65.6	61.9	58.6	61.1	68.0	70.3	70.6	79.0	85.1
	72.4	74.1	73.4	70.0	60.7	60.2										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	64.7	71.8	76.1	76.7	78.0	79.9	74.5	65.3	64.5	60.0	61.4	69.1	69.9	65.0	78.3	86.0
	73.6	74.4	70.4	69.2	59.9	56.3	49.5									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-104

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 104 DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	98.0	103.3	106.8	110.2	114.3	118.3	120.5	122.9	123.7	121.8	115.9	111.1	113.4	113.7		122.2	130.0
	113.1	111.6	111.9	111.8	110.3	107.3	107.3	108.1	106.9	104.5	104.9	101.2	101.1				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	97.7	102.9	107.1	110.2	114.5	117.9	120.9	123.9	125.3	123.9	118.3	110.4	107.1	103.4		119.8	130.7
	100.1	97.9	100.9	102.4	104.1	104.8	106.3	107.6	106.8	103.1	104.7	101.8	100.4				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	98.3	103.7	106.5	110.1	114.2	118.6	120.1	121.7	120.9	117.7	109.9	111.7	115.8	116.5		123.7	129.2
	116.0	114.6	114.7	114.6	112.7	108.8	108.0	108.5	107.0	105.6	105.1	100.6	101.7				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	92.6	97.5	101.9	104.5	107.9	113.5	114.8	115.6	112.7	103.7	90.5	96.0	100.0	101.6		114.0	121.6
	102.2	103.2	105.2	105.8	105.3	103.1	100.1	98.3	97.7	96.9	94.5	93.0	89.8				
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	85.8	91.7	96.5	98.8	102.3	106.9	106.5	104.5	97.3	81.3	79.0	87.3	92.9	96.2		108.7	113.7
	98.6	101.2	103.4	101.0	96.0	97.7	91.4	90.8	88.1	87.4	83.4	79.7	75.1				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	80.3	86.0	91.1	93.4	96.7	99.3	96.7	89.8	83.4		70.0	78.1	84.2	88.3		100.5	105.4
	90.9	93.3	94.3	90.2	93.5	87.0	84.6	81.4	82.5								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	77.5	83.1	88.2	90.3	93.5	94.9	90.3	83.6	77.0	67.7	67.5	75.2	80.1	82.2		93.9	100.5
	84.5	85.8	85.0	89.4	83.5	77.7	76.2	73.8	69.7								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	77.5	82.1	86.3	87.2	88.7	89.0	84.9	75.7	76.3	69.0	66.9	72.8	76.0	78.6		84.8	95.4
	78.9	76.5	76.7	78.2	70.3	65.8	65.3	63.9									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	80.0	84.8	89.4	88.9	87.3	85.9	89.2	93.2	91.3	84.6	86.4	90.2	90.1	87.1		92.9	100.6
	85.1	84.5	81.3	80.0	79.8	77.3	74.7	70.4									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	77.1	79.1	77.9	81.8	87.7	90.4	92.5	93.9	87.1	77.9	85.4	89.2	90.4	86.5		92.1	100.1
	82.9	83.8	81.9	78.2	77.8	73.7	71.0	66.0	61.6								
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	65.8	73.8	82.9	81.9	80.5	81.0	81.2	80.3	80.6	73.9	79.5	80.9	83.8	80.5		85.9	92.5
	79.3	78.0	76.2	73.0	69.7	67.9	66.0	63.6									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	63.1	75.9	79.7	78.7	81.0	80.8	77.5	81.5	76.3	71.0	76.1	78.6	79.5	78.8		82.8	90.4
	76.5	75.8	72.9	68.5	65.2	63.7	60.3										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: ONESA 12.2 TEST AA-103-105

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 105
DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	98.9	104.5	108.5	111.3	115.3	119.6	122.6	125.4	127.1	125.9	122.7	122.1	124.0	121.7		128.1	134.3
	120.1	118.7	116.0	113.8	113.7	112.6	113.0	113.6	112.9	110.6	111.0	108.5	108.4				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	98.7	104.5	108.6	111.6	115.6	119.5	123.1	126.4	128.5	127.3	123.7	121.6	122.6	118.9		126.4	134.5
	113.0	109.5	108.7	109.2	110.8	111.6	111.9	113.3	113.2	110.4	111.1	109.6	109.3				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	99.2	104.6	108.5	111.0	115.1	119.8	122.1	124.0	124.8	123.8	121.5	122.5	125.1	123.4		129.3	134.1
	122.7	121.4	118.6	116.0	115.4	113.5	113.9	113.9	112.7	110.9	110.8	107.0	107.2				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	89.8	95.2	99.7	102.1	105.7	110.5	112.6	113.8	112.8	106.1	94.9	96.3	101.2	103.4		116.1	120.9
	105.8	107.4	108.6	108.9	106.3	102.1	101.0	101.3	98.2	99.1	95.3	93.9	91.4				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	87.1	91.3	96.7	98.3	101.5	106.1	105.9	105.0	100.7	98.4	81.5	86.9	91.6	94.5		110.1	113.9
	97.6	100.6	102.9	104.1	101.7	96.2	95.2	94.7	91.6	91.0	87.4	84.6	81.7				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	81.0	86.2	92.4	94.4	97.6	101.0	98.4	91.0	84.1	76.2	70.2	75.1	80.0	83.5		99.9	106.1
	87.5	91.0	93.2	93.5	89.5	89.6	83.4	83.3	83.3	79.5	75.3	72.8					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	76.7	81.3	87.7	90.0	92.6	95.8	92.0	85.3	76.1	65.3	64.2	71.1	76.6	81.4		95.8	101.3
	86.6	90.1	91.4	87.1	83.8	79.7	77.1	73.6	71.5								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	73.5	78.2	84.6	86.3	87.6	87.7	82.1	73.5	69.2	67.5	66.9	74.5	79.8	84.0		90.5	95.6
	86.5	83.9	84.3	78.6	77.4	70.3	69.3	67.5	61.6								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	69.4	74.8	79.6	80.6	81.7	80.4	77.4	76.2	69.5	66.3	65.7	73.2	75.4	75.0		85.6	90.4
	82.4	79.8	78.2	75.6	72.8	66.0	60.0	57.1									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	65.1	69.7	75.6	75.8	77.1	76.5	71.5	64.8	57.4	56.1	59.5	63.6	68.0	76.3		84.3	87.4
	79.0	81.6	76.7	72.1	67.5	62.6											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	64.2	70.5	75.2	75.3	76.6	79.2	73.9	63.4	53.3	50.9	52.9	59.9	65.3	73.1		81.9	86.4
	78.1	78.0	73.3	72.1	66.8	59.9	49.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-106

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 106
DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	97.6	102.9	105.4	108.9	113.7	117.0	120.2	122.2	122.8	119.8	115.1	111.1	112.6	113.0		121.8	129.2
	112.3	111.2	111.9	112.0	110.8	107.7	106.6	107.4	106.5	103.9	104.4	101.2	101.0				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	97.1	102.5	105.6	108.8	113.9	116.5	120.5	123.1	124.4	121.8	117.5	110.6	106.5	102.6		118.5	129.6
	99.2	96.7	99.7	100.7	102.2	103.0	104.3	105.9	105.5	101.4	103.3	101.5	99.8				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	98.0	103.3	105.1	109.0	113.6	117.4	119.8	121.0	120.3	116.2	109.3	111.5	115.0	115.8		123.6	128.7
	115.2	114.1	114.8	114.8	113.5	109.9	108.1	108.5	107.3	105.5	105.2	100.8	101.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 39 SEC							
	92.3	97.3	100.7	103.4	107.2	112.3	114.7	115.0	112.3	102.8	90.7	94.1	98.5	100.7		113.8	121.0
	100.8	101.6	103.7	104.8	105.1	104.0	102.7	100.2	97.9	98.0	94.8	93.8	90.5				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 39 SEC							
	85.3	91.3	95.2	97.8	101.4	105.7	106.6	104.8	98.7	84.6	80.3	85.8	89.5	92.0		107.0	112.8
	92.6	94.0	96.9	98.7	99.9	99.0	95.9	90.8		89.0	84.6	82.4	79.1				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	80.1	85.8	89.8	92.2	95.4	97.9	96.0	87.6	81.3		69.9	76.8	81.7	85.1		98.7	103.9
	86.1	88.4	92.2	93.1	89.0	84.8	85.8	84.2									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	77.5	84.1	88.0	90.0	93.0	93.9	89.7	81.2	76.8	66.2	67.6	74.7	80.7	84.7		97.1	101.0
	87.3	89.8	90.1	90.8	88.7	81.0	79.2	76.9	75.9	71.4	64.8						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 39 SEC							
	76.1	80.9	84.0	86.5	89.3	90.4	86.0	84.7	82.5	72.5	69.1	72.1	75.7	75.6		93.6	96.0
	75.4	75.0	73.8	76.9	71.2	66.0	68.6	65.2									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	79.3	84.7	88.5	89.1	89.3	89.9	88.3	90.8	90.0	84.6	86.7	89.3	90.0	91.4		95.5	101.2
	91.2	86.7	84.9	83.9	81.2	79.5	76.1	72.4									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 39 SEC							
	75.5	76.1	72.2	81.0	84.9	86.1	86.6	86.1	84.2	81.5	86.4	89.2	90.7	90.0		92.1	97.9
	81.9	81.0	81.0	78.7	74.6	71.5	68.8	63.7									
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 39 SEC							
	64.2	77.7	83.8	81.2	81.3	83.4	85.6	80.2	78.9	71.1	76.8	78.9	81.6	80.9		85.0	92.8
	79.2	77.9	75.9	71.3	67.8	65.2	60.2	53.8									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 39 SEC							
	67.0	78.0	79.4	78.9	81.5	76.7	77.4	74.3	72.7	69.4	74.2	76.9	80.0	79.8		84.0	90.0
	80.6	76.2	74.5	70.4	65.5	63.5	58.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-107

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 107 DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87

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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500				
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K					
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	98.9	104.9	108.8	112.0	115.7	119.8	122.9	125.6	127.3	126.3	123.4	121.9	124.1	121.9			128.2	134.6
	120.3	119.0	116.6	114.2	113.6	112.5	112.7	113.3	112.9	110.8	109.9	107.7	108.4					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	98.7	104.9	108.9	112.3	115.9	119.7	123.4	126.6	128.8	127.7	124.4	121.5	122.6	119.0			126.3	134.8
	113.1	109.4	108.4	108.8	110.3	110.9	111.2	112.7	113.0	110.3	110.0	108.6	109.2					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	99.0	104.8	108.7	111.6	115.4	119.9	122.3	124.2	125.1	124.2	122.1	122.3	125.2	123.7			129.6	134.3
	122.8	121.8	119.2	116.5	115.4	113.6	113.8	113.8	112.8	111.3	109.9	106.6	107.5					
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	89.3	95.5	100.0	102.4	106.1	110.4	112.7	113.9	113.0	106.9	96.7	97.0	102.0	104.0			117.0	121.3
	106.2	107.4	108.6	108.9	108.2	107.4	101.6	100.6	100.6	99.2	96.7	95.4	93.3					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	86.4	91.6	96.7	98.5	101.7	105.6	105.7	105.3	101.3	89.6	82.1	87.0	91.9	94.8			110.5	114.0
	97.6	100.0	102.1	103.4	103.0	101.6	95.2	92.6	91.3	91.2	87.2	85.3	82.5					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	80.5	86.6	92.3	94.6	97.7	100.5	98.3	91.3	84.4	77.7	70.6	74.8	79.5	82.8			100.6	106.1
	85.6	88.2	91.2	94.2	94.4	90.7	85.9	80.2	82.8	80.2	75.4	73.4						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	76.4	81.1	87.2	89.8	92.5	95.3	92.0	85.0	76.0	65.0	62.4	69.2	75.4	79.9			98.0	101.7
	84.7	88.9	91.9	92.6	89.2	83.9	80.6	77.8	77.6	75.2								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC								
		77.6	83.8	85.5	87.1	87.3	82.8	75.2	69.1	65.5	62.4	69.2	75.1	80.1			90.7	95.1
	84.4	84.4	83.3	85.2	76.5	73.9	66.0	67.6	60.9									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	64.9	69.4	74.6	75.8	76.8	77.2	74.2	65.2	57.6	55.7	58.1	66.5	70.6	67.5			83.0	86.4
	77.0	77.4	77.3	74.7	71.1	68.6	59.9											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC								
	62.7	69.9	74.9	75.6	76.9	79.4	78.4	69.1	58.8	58.2	58.4	65.9	66.5	72.5			83.4	87.1
	76.1	77.7	79.7	79.3	80.5	83.7	55.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: ONEGA 12.2 TEST AA-104-108

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 108
DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	97.9	103.7	107.4	110.7	114.3	118.6	120.8	123.0	123.7	122.0	116.7	111.5	113.1	113.6		122.0	130.1
	112.9	111.6	111.5	111.9	110.4	107.1	106.3	107.3	106.5	103.9	104.1	101.0	100.8				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	97.7	103.5	107.8	110.8	114.6	118.2	121.3	123.9	125.3	124.0	119.1	111.2	107.4	103.6		119.4	130.8
	100.6	97.6	99.3	100.4	102.4	102.9	104.1	105.7	105.7	101.5	102.7	101.4	100.2				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	98.2	104.0	107.1	110.7	114.0	119.0	120.3	121.7	121.0	118.2	110.9	111.8	115.4	116.4		123.7	129.3
	115.8	114.5	114.4	114.8	113.1	109.1	107.8	108.4	107.1	105.4	105.1	100.7	101.4				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	92.8	98.0	102.6	105.0	107.8	113.7	115.0	115.5	112.9	104.6	92.4	94.6	99.0	101.3		114.0	121.6
	101.7	102.3	103.6	104.6	105.0	104.4	102.9	100.3	97.8	97.0	94.2	93.2	89.7				
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	85.6	92.0	97.1	99.5	102.4	107.2	107.0	105.4	99.2	86.3	80.3	86.6	90.8	92.6		109.3	114.0
	95.1	97.6	100.5	101.9	102.1	100.2	95.6	92.4	91.7	91.0	86.2	84.8	81.4				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	80.1	86.3	91.7	93.8	96.6	99.6	97.7	90.1	83.3		70.0	74.6	79.9	83.8		101.9	105.9
	87.3	90.6	94.2	96.0	95.3	88.5	86.7	86.6	83.8	83.9							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	75.1	81.1	86.3	87.3	88.8	89.9	85.9	82.8	79.6	66.8	67.1	69.9	74.2	75.1		82.3	95.7
	75.3	72.9	72.9	73.2	73.8	67.0	60.3	59.8									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	80.4	85.9	90.7	91.1	90.0	91.9	94.6	97.4	95.1	90.0	92.9	97.8	97.9	95.9		100.3	106.2
	92.9	90.3	90.1	86.2	86.3	83.8	81.8	78.2									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	73.6	74.3	78.9	82.2	79.2	81.6	79.6	78.3	74.8	73.3	73.5	80.0	82.3	83.8		85.3	91.5
	78.4	76.3	73.4	72.6	67.5	65.8	61.8										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	64.8	77.2	81.4	78.4	81.7	76.6	79.2	77.1	67.0	68.7	72.1	74.7	75.8	79.0		81.3	89.3
	75.1	74.9	70.8	67.9	63.1	60.5	55.3										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	66.8	75.7	75.4	80.0	78.6	79.6	78.9	77.2	70.8	68.9	73.4	76.0	76.4	76.1		81.4	88.8
	77.6	75.6	71.3	69.9	62.2	59.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-109

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 109
DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	98.8	104.4	108.6	111.5	115.5	119.3	122.4	125.3	127.2	125.8	122.9	121.8	123.7	121.5		128.0	134.3
	120.2	119.4	117.3	114.8	113.3	111.7	111.8	112.4	112.1	110.1	109.4		107.4				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	99.0	104.5	108.7	111.8	115.9	119.2	122.9	126.3	128.6	127.2	123.8	121.1	122.0	118.2		125.4	134.4
	112.6	108.6	107.5	107.8	109.1	109.1	109.3	110.7	111.1	108.5	107.9	106.5	107.1				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	98.6	104.4	108.4	111.1	115.0	119.4	121.9	123.9	125.0	123.7	121.7	122.3	124.9	123.4		129.6	134.2
	122.8	122.2	120.1	117.4	115.4	113.3	113.4	113.6	112.9	111.2	110.6		107.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	90.0	96.0	100.7	102.8	106.6	110.8	113.2	114.5	114.1	108.0	98.8	97.3	101.4	102.8		116.4	121.5
	104.5	105.0	105.9	106.1	106.5	107.6	104.9	103.6	101.8	102.7	99.1	97.4	95.2				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	86.9	92.0	97.4	98.8	102.0	106.1	106.3	106.0	103.0	92.7	83.6	87.1	90.9	92.3		108.0	113.6
	93.9	95.3	96.4	97.1	97.5	98.7	98.0	97.5	95.9	95.4	92.3	89.8	87.2				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	80.0	86.0	92.0	93.9	97.1	100.1	97.9	91.3	84.6	79.2	71.9	74.5	77.7	79.7		97.3	105.1
	82.2	84.6	86.2	87.2	88.2	88.3	87.7	85.8	84.5	83.4	78.6	76.8					
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	76.3	80.3	86.3	88.8	91.6	94.7	91.6	85.3	75.0	65.5	61.9	66.5	67.6	66.8		82.0	98.8
	69.6	70.0	71.3	72.0	70.8	71.5	70.7	66.9									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
			82.6	84.4	86.4	87.6	83.0	74.8	68.8	64.1	62.2	68.4	72.1	74.4		83.4	92.9
	75.8	75.8	74.0	73.8	73.5	72.2	71.1	68.6	63.9	61.6							
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 30 SEC		
		69.4	74.1	75.3	76.4	76.9	73.1	65.7	59.0	55.7	60.2	67.4	69.0	73.1		82.8	86.2
	77.7	77.2	76.7	72.7	71.2	67.7	64.4	62.0									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	62.9	68.6	74.1	75.0	75.5	78.1	74.1	64.6	57.6	53.2	50.6	55.7	56.0	62.3		68.3	83.1
	60.6	62.2	60.1	59.0	56.1	52.7											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-110

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 110
DATE 09 SEP 80

MICROPHONE: ARRAY 04

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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	97.5	103.4	106.6	110.1	114.5	117.7	120.5	122.9	123.9	121.5	115.8	110.9	112.5	113.2	121.8	129.9
	112.3	111.1	111.4	111.3	109.8	107.0	107.4	107.9	106.6	103.8	103.7	100.0	100.4			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	97.2	103.1	106.9	110.2	114.8	117.4	121.0	124.0	125.7	123.6	118.3	110.6	106.3	102.9	119.7	130.8
	99.7	97.6	100.9	102.4	104.7	105.3	106.5	107.3	105.9	101.6	102.3	99.2	99.0			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	97.8	103.6	106.1	110.0	114.2	118.0	119.9	121.6	120.9	117.4	109.3	111.1	114.9	116.0	123.2	128.9
	115.2	114.0	114.2	114.0	112.1	108.1	108.1	108.5	107.2	105.2	104.8	100.7	101.5			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	92.4	97.8	101.7	104.6	108.1	113.0	114.8	115.5	112.7	102.9	88.7	95.0	99.2	101.7	113.7	121.4
	102.4	103.9	106.1	106.3	104.4	99.5	98.9	98.8	96.0	95.6	93.2	91.4	87.8			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	85.3	91.7	96.1	98.9	102.5	106.6	106.5	104.3	97.4	82.6	78.9	84.8	90.7	95.2	108.9	113.6
	97.3	100.2	103.3	102.9	98.3	94.9	93.1	91.2	87.1	86.7	82.5	79.7	76.6			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	80.1	86.3	90.8	93.2	96.4	98.9	97.0	90.2	81.8		69.6	75.8	80.9	85.6	102.4	105.9
	89.9	94.2	97.7	95.9	93.3	87.0	83.9	82.6								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	75.2	81.1	85.2	86.9	89.0	89.8	85.7	81.2	78.0	71.5	69.8	74.3	75.4	76.4	84.5	95.6
	76.5	76.3	78.4	77.0	71.9	67.2		65.0								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	79.8	85.5	90.2	90.7	91.3	92.9	92.9	94.7	91.6	84.4	86.4	89.7	89.8	90.2	94.2	102.4
	88.7	85.5	82.9	81.8	80.4	77.0		70.3								
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	75.3	78.3	76.8	78.9	83.4	84.9	87.8	87.1	89.3	84.8	83.0	86.1	88.5	87.1	91.7	97.6
	85.2	84.7	81.8	78.0	76.6	73.4	72.3	67.8	67.6							
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	69.4	78.0	82.8	78.0	77.4	77.3	85.4	81.3	81.3	78.6	74.3	81.7	82.0	81.7	86.0	92.6
	80.5	77.4	77.2	74.2	70.8	66.2										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	68.0	78.1	78.5	74.9	78.2	81.4	78.1	77.5	74.8	67.7	71.0	77.3	81.5	79.3	83.3	89.8
	77.5	75.1	72.7	71.4	66.6	62.9										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-111

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 111 DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 40 SEC		
	96.9	102.4	105.8	108.1	110.8	114.5	116.4	117.6	117.9	116.5	116.5	113.4	112.3	111.2	118.9	126.1
	111.2	110.7	109.0	108.0	107.0	104.0	103.1									
S	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 40 SEC		
	96.8	102.5	105.9	108.3	111.0	114.1	116.4	118.0	118.7	117.1	116.5	111.7	108.8	106.0	114.2	125.5
	102.8	97.4	94.0	91.5	90.6	89.6	88.6									
T	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 40 SEC		
	96.9	102.4	105.7	107.8	110.6	114.8	116.3	117.1	116.9	115.8	116.5	114.7	114.2	113.5	121.6	126.7
	113.9	113.6	111.9	110.9	109.9	106.9	106.1	106.4	104.9	103.4	102.5	99.6	98.8			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 41 SEC		
	88.4	93.7	97.2	98.6	101.0	104.9	106.0	106.0	104.6	100.2	97.4	92.8	88.3	85.3	98.3	112.8
	84.2	83.2	82.7	81.7	80.3	80.3	78.5	77.5	76.1	76.6	73.3	73.1				
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 41 SEC		
	84.6	89.4	91.9	91.7	93.6	96.7	97.0	96.5	93.4	86.5	80.5	76.2	76.2	75.6	87.5	103.4
	75.5	74.9	74.6	73.4	72.2	72.8		73.1								
C	DIST FROM SOURCE: 431 METERS													OVERALL SAMPLE DURATION: 40 SEC		
	76.4	81.2	84.0	82.9	84.3					67.1	63.7	65.4	68.0	68.5	75.3	88.2
	68.3	67.4	66.6	65.9	64.7	63.7										
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 40 SEC		
	70.5	74.3	78.3	77.5	77.4	78.4	74.5	69.5	63.0	59.3	58.8	60.9	63.4	63.5	70.7	85.3
	62.6	62.3	62.1	61.0	59.7	58.3	57.1									
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 19 SEC		
			67.4	63.9	66.1	66.1	65.2	64.6	62.1	59.1	57.4	58.1	60.0	58.7	64.2	75.0
	57.4	56.3	54.6	52.6	50.8	48.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-112

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 112
DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 95.9 101.2 105.0 107.5 111.7 115.5 118.2 121.0 123.1 122.6 119.6 116.5 119.1 117.2 115.1 114.2 113.5 113.5 112.8 109.8 109.0 109.5 108.4	124.2	130.3
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 95.8 101.2 105.1 107.7 111.9 115.3 118.4 121.6 124.1 123.4 119.9 114.8 115.8 112.7 107.1 101.7 99.1 97.3 96.2 94.7 93.1 93.2 94.0	119.2	129.8
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 29 SEC 95.9 101.3 104.8 107.2 111.4 115.8 118.1 120.2 121.7 121.5 119.4 117.7 121.0 119.4 117.8 117.1 116.4 116.5 115.7 112.7 112.0 112.4 111.3 109.9 109.5 105.9 106.4	126.7	130.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 87.2 92.4 96.1 97.7 100.6 104.7 106.2 107.2 107.7 104.0 98.6 93.9 90.3 85.3 84.7 83.3 83.1 82.7 82.0 82.2 79.6 78.3	100.1	113.9
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 29 SEC 84.1 88.1 91.9 92.4 93.9 98.0 96.7 95.3 92.9 87.6 79.4 75.8 77.0 76.9 76.6 75.8 75.8 74.9 73.7 73.0 71.4 70.4 68.0 67.4	87.9	103.8
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC 73.8 77.6 81.6 81.9 82.9 85.9 83.8 81.2 75.6 69.8 67.4 66.2 68.3 67.9 67.5 66.6 66.2 65.5 64.0 63.0 61.3 58.8	76.3	91.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 29 SEC 67.8 69.2 72.7 70.6 69.5 74.4 71.6 70.1 68.3 63.8 61.8 62.6 64.6 64.3 63.7 62.9 62.2 60.8 59.6 58.2 56.0	71.0	81.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 29 SEC 66.4 68.3 66.4 66.6 67.5 64.2 61.5 61.6 62.7 61.3 60.1 59.0 57.5 55.5 53.6 51.2	67.1	75.5
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 29 SEC 62.1 60.7 58.7 56.2 56.6 56.7 55.4 53.7 51.6 49.7 47.6 45.2 42.3	60.5	68.0
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC 55.3 51.6 52.3 52.9 51.2 49.1		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-113

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT: NUMBER 113 DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL	OASPL
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		(DBA)	(DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	95.7	101.0	104.9	108.0	112.4	116.8	119.2	121.9	123.8	123.0	117.9	109.5	113.1	113.9		121.1	129.7
	112.1	110.7	109.7	108.9	107.4	105.3	105.4	105.9	104.9	102.2	101.9	99.0	98.6				
S	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	95.6	101.0	105.6	108.4	113.1	117.0	119.7	123.0	125.7	125.2	120.5	109.9	108.6	105.7		119.9	130.9
	101.9	99.2	100.8	101.2	103.3	104.1	104.6	105.5	104.3	99.7	100.2	98.4	97.3				
T	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	95.8	101.0	104.1	107.6	111.7	116.6	118.5	120.3	120.1	117.8	110.6	109.1	115.2	116.5		122.0	127.9
	114.9	113.5	112.4	111.5	109.4	106.3	106.1	106.2	105.4	103.8	103.1	99.5	99.7				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	92.1	96.8	101.4	103.7	107.6	113.3	115.8	117.0	115.1	106.5	92.8	96.4	103.7	106.0		115.8	122.9
	107.0	108.5	109.1	106.9	102.8	101.8	101.9	98.9	97.1	96.0	93.3	91.4	87.7				
B	DIST FROM SOURCE: 230 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	84.3	90.5	95.8	97.8	101.2	106.2	106.5	105.8	100.9	86.4	81.8	90.0	97.2	100.1		110.2	114.5
	102.6	104.6	104.8	100.7	95.9	95.1	94.9	91.6	91.3		84.2	82.2	79.4				
C	DIST FROM SOURCE: 423 METERS											OVERALL SAMPLE DURATION: 26 SEC					
	78.4	84.2	89.5	91.7	95.2	98.9	95.6	89.5	85.6		73.6	82.5	91.0	94.3		102.1	105.9
	96.8	97.4	94.5	90.7	87.8	88.6	85.1	83.4									
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	75.8	82.1	88.0	89.5	92.2	94.1	90.2	84.6	77.3	73.2	71.6	81.5	88.9	90.4		96.1	101.2
	90.1	90.8	89.3	84.6	80.8	79.4	77.2	73.3	68.3	66.6							
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 33 SEC					
		77.9	83.4	85.0	87.2	88.1	83.0	76.8	73.7	66.2	63.6	71.2	76.0	75.8		82.2	93.5
	76.3	75.3	74.6	72.4	69.2	65.3	62.2	58.1									
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 34 SEC					
		72.0	77.8	78.8	79.5	77.5	69.2	72.4	66.0	58.5	58.9	65.9	73.1	72.6		76.7	86.1
	73.7	69.9	65.3	60.7	58.7	56.1											
G	DIST FROM SOURCE: 2079 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	65.7	72.1	76.1	76.3	77.3	76.1	70.6	65.7	65.1	61.7	60.8	67.2	72.7	72.3		74.8	84.4
	68.6	67.5	64.2	60.2	55.2	51.7											
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	66.3	72.4	76.4	75.0	76.3	76.8	72.9	67.7	63.1		59.2	64.3	71.2	70.8		73.0	84.0
	66.9	64.7	62.4	58.3	53.3	51.4											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	64.1	70.3	74.2	72.6	74.7	75.6	72.3	65.8	61.9		57.5	63.4	68.7	68.0		70.4	82.2
	64.8	61.6	59.2	54.1	50.5	48.6											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-114

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 114
DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500		
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	96.4 102.0 106.2 108.7 111.7 116.8 119.0 121.7 123.3 122.9 120.6 116.9 119.7 118.7	125.2	131.0
	116.2 115.4 114.7 114.6 114.1 111.2 110.5 111.0 109.8		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	96.2 101.9 106.3 108.9 111.9 116.5 119.1 122.2 124.2 123.5 120.6 114.9 115.8 113.5	119.5	130.1
	107.3 101.3 98.1 95.3 94.5 93.1 91.5 92.0 92.3		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	96.5 102.1 106.1 108.4 111.5 117.1 118.9 121.2 122.3 122.1 120.6 118.3 121.7 121.0	127.9	131.8
	118.9 118.3 117.7 117.6 117.1 114.2 113.5 114.0 112.8 111.3 111.8 107.8 107.8		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 33 SEC		
	87.7 93.4 97.9 99.2 101.6 106.7 107.8 109.2 109.0 105.9 101.5 95.5 93.3 90.6	102.4	115.6
	89.1 87.7 86.9 85.9 85.1 85.2 82.9 82.0 80.6 81.8		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 33 SEC		
	83.3 87.4 92.2 92.4 94.3 98.4 97.9 98.3 95.8 90.8 83.2 79.1 81.1 80.4	91.3	105.1
	80.1 80.0 79.6 79.1 78.0 77.5 76.2 75.3 73.3 72.5		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 32 SEC		
	74.2 78.0 82.3 81.5 81.1 83.1 80.5 79.6 75.0 71.2 68.7 68.7 69.9 70.2	77.3	90.2
	69.5 68.4 67.6 66.9 65.6 64.5 62.7 61.0		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 32 SEC		
	70.0 74.5 74.0 73.9 75.4 72.3 69.9 69.0 65.0 63.0 63.9 66.6 66.0	72.8	82.8
	65.3 64.7 64.0 62.6 61.4 60.2 58.1		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 32 SEC		
	67.0 65.8 65.5 66.2 66.4 64.4 61.8 60.3 60.6 61.5 60.3	65.7	74.8
	58.8 57.4 55.8 53.9 52.0 49.6		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 32 SEC		
	62.9 62.8 63.1 59.3 57.2 57.7 58.3 57.1	62.2	69.4
	55.5 53.6 51.7 49.7 47.0 44.0		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 32 SEC		
	59.8 60.2 58.1 55.1 53.4		
	50.4		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-115

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 115
DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	95.6	101.1	104.4	107.7	111.8	115.9	118.5	121.2	122.9	121.6	116.3	107.7	111.2	112.3	119.9	128.7
	110.6	109.1	108.6	108.0	106.2	104.7	104.8	105.2	104.4	101.3	101.2	98.4	97.9			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	95.4	101.1	105.0	108.1	112.4	116.0	119.0	122.3	124.8	123.8	118.8	108.3	106.7	104.3	118.8	129.9
	100.1	98.2	100.5	101.0	102.7	103.6	103.7	104.9	104.3	98.6	99.7	98.3	96.7			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	95.8	101.1	103.7	107.3	111.1	115.8	118.0	119.7	119.5	116.8	109.5	107.0	113.4	115.0	120.8	127.1
	113.4	112.0	111.3	110.6	108.0	105.6	105.7	105.4	104.4	102.9	102.4	98.5	98.8			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	90.9	96.1	100.4	102.9	106.1	111.8	114.3	115.5	113.7	105.5	92.7	92.9	99.5	102.3	113.6	121.3
	103.0	104.4	106.2	105.8	103.5	99.7	98.7	98.3	96.1	95.3	92.4	90.6	87.0			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	83.3	89.6	94.4	96.7	99.7	104.9	105.2	104.5	100.6	88.6	78.1	83.8	90.7	94.6	107.3	112.5
	96.8	99.5	101.8	100.5	96.0	92.9	92.1	89.2	87.8	86.8	80.7	79.8				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	78.1	84.0	88.7	90.9	93.8	98.1	96.0	90.2	82.5	68.9	76.4	82.6	86.8		98.5	103.8
	90.0	92.6	93.8	89.7	85.5	83.0	82.2	81.1								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 18 SEC						
	74.6	82.1	87.4	88.9	91.1	93.6	89.6	81.4	76.0	70.3	67.8	75.1	81.6	83.4	90.7	98.9
	83.6	85.5	85.0	80.0	76.3	74.0	72.1	68.1	64.1							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	72.4	76.6	81.7	83.2	85.0	86.9	81.7	74.9	69.7	63.1	60.3	66.3	72.3	76.2	80.6	91.9
	76.5	74.4	71.6	68.3	64.7	63.5	58.3									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	63.3	68.3	74.5	74.6	73.8	74.1	70.0	67.2	60.6			61.2	66.5	68.0	71.9	82.0
	68.1	65.0	63.0	58.0	54.5	52.2										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 26 SEC						
	64.0	68.5	73.0	74.2	74.7	74.0	66.7	70.5	68.1	59.3	57.1	61.1	66.0	66.2	69.7	81.7
	65.1	61.8	59.5	55.3	51.3	49.3										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	64.8	69.4	73.5	73.8	74.9	74.5	67.9	68.1	64.1			61.8	66.3	66.7	69.7	81.6
	65.5	62.7	58.9	55.3	52.3	49.1										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	62.7	67.2	70.1	71.8	73.7	73.2	68.1	67.5	63.5			61.5	64.3	65.5	68.0	79.9
	63.9	60.5	56.7	51.8	49.2	46.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-116

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 116 DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87

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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 96.6 101.9 106.0 108.3 111.9 116.6 118.7 121.4 123.0 122.3 120.5 116.4 119.4 118.5 116.1 115.5 115.3 115.0 114.3 111.4 110.5 110.9 109.8	125.3	130.7
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 96.5 101.9 106.1 108.5 112.0 116.2 118.7 121.8 123.7 122.9 120.6 114.6 115.6 113.6 107.8 103.3 101.4 98.9 97.3 95.4 93.5 93.5 93.8	119.4	129.7
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 96.7 101.9 106.0 108.1 111.7 117.0 118.8 120.9 122.0 121.6 120.5 117.7 121.4 120.8 118.8 118.4 118.2 118.0 117.3 114.3 113.5 113.9 112.8 111.3 110.9 107.0 107.8	127.9	131.7
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 87.9 93.4 97.4 99.0 101.7 106.9 108.2 109.3 108.9 105.4 101.0 95.9 94.7 90.3 86.5 85.2 85.1 84.4 83.5 83.6 81.5 80.2 79.3	102.0	115.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 83.9 88.1 92.4 92.6 94.2 98.5 97.8 97.6 94.6 87.5 80.3 76.5 79.3 79.0 78.1 77.4 77.2 76.9 75.8 74.9 73.5 72.6 70.4 69.8	89.5	104.8
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 31 SEC 76.1 80.7 85.0 85.0 85.6 88.0 84.1 80.5 77.7 74.4 72.8 72.2 74.2 74.1 73.7 73.1 73.1 72.3 71.0 70.0 68.7 66.2 64.0 63.3	82.1	93.9
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC 70.7 77.0 76.5 76.7 78.9 74.5 70.9 65.4 65.0 65.1 67.3 66.4 66.0 65.3 64.5 63.5 62.6 61.2 59.2	73.4	83.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC 70.8 72.8 73.1 73.9 73.6 70.4 71.3 70.2 64.8 63.6 63.2 64.4 62.4 61.2 60.2 58.7 56.6 54.7 52.3	68.7	80.9
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC 64.4 62.3 65.0 64.4 66.3 65.2 61.4 58.9 59.8 60.2 58.8 57.3 55.4 53.6 51.1 48.7 46.1	64.1	73.3
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC 61.3 54.4 53.4 51.6 49.9		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 117
DATE 09 SEP 80

MICROPHONE:
ARRAY 04

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-117

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 96.1 100.9 104.7 108.6 111.2 116.4 118.3 120.9 122.9 122.3 117.8 108.0 111.2 112.8 111.4 109.8 109.2 109.4 107.2 104.8 105.4 105.9 106.0 101.7 99.3 99.3	120.6	129.0
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 96.1 101.0 105.3 108.9 111.8 116.5 118.7 121.9 124.8 124.5 120.3 109.1 107.1 105.2 101.2 98.5 100.1 101.2 103.0 103.6 104.0 105.4 106.1 99.7 99.2 98.9	119.4	130.1
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 29 SEC 96.1 100.8 104.0 108.2 110.5 116.2 117.8 119.6 119.6 117.8 111.6 106.7 113.3 115.5 114.2 112.6 111.9 112.1 109.3 105.8 106.5 106.4 105.8 103.3 103.1 99.4 99.7	121.6	127.4
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC 91.5 96.3 101.0 103.7 106.1 112.2 114.2 115.5 114.0 106.3 94.4 93.4 100.0 102.0 102.5 103.7 105.5 106.1 105.1 101.7 98.2 98.8 96.4 92.5 90.6 87.0	113.8	121.4
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC 84.8 90.0 95.2 97.8 100.3 105.5 105.7 105.1 101.4 91.1 81.9 85.5 92.7 95.9 97.5 99.4 101.8 101.6 98.7 95.4 94.5 92.3 89.6 83.3 80.8	108.4	113.2
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 31 SEC 81.1 85.6 91.0 93.3 95.5 99.6 97.4 90.8 85.4 78.6 75.0 78.8 86.2 89.2 90.5 91.6 93.9 93.1 91.5 90.8 88.2 85.4 83.9	100.9	105.5
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 28 SEC 77.2 82.7 88.5 90.7 92.9 95.9 92.7 85.3 78.7 74.8 70.6 76.8 83.2 85.5 86.4 87.2 88.9 87.2 83.4 79.9 77.7 74.9 69.8 68.2	94.7	101.3
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC 75.1 79.9 85.0 87.0 88.3 90.9 87.9 81.8 75.8 69.8 66.6 71.5 78.7 82.1 83.5 82.3 79.1 75.4 72.1 69.2 66.0 62.7	87.6	96.5
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC 69.8 74.3 80.3 81.9 82.0 83.0 78.3 76.1 71.9 65.6 65.0 73.6 78.2 78.9 77.0 74.9 72.7 67.8 65.3 63.2 59.7	82.0	90.3
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 30 SEC 68.4 74.9 79.3 80.2 80.8 81.5 76.2 73.8 72.0 69.3 65.7 67.1 71.2 73.1 72.5 69.3 67.2 63.2 58.1 56.7	76.7	88.2
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 28 SEC 67.6 72.7 77.1 77.9 79.1 80.7 77.5 73.7 69.0 63.8 61.0 65.0 70.0 71.8 71.4 68.7 66.3 61.2 55.5 53.3	75.5	86.8
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC 65.9 70.2 74.4 75.3 77.3 78.9 75.3 71.5 68.5 63.3 58.7 62.2 67.6 69.3 68.1 65.5 62.5 56.5 52.5 52.6	72.6	84.7

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-118

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 118
DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 96.2 101.9 105.8 108.9 111.8 116.6 118.8 121.5 123.0 122.4 120.3 115.9 118.5 117.6 114.8 114.0 113.9 113.5 112.7 109.5 108.6 108.8 107.6	124.1	130.4
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 96.3 101.9 105.9 109.1 111.9 116.2 118.8 121.9 123.7 122.9 120.2 113.9 114.3 112.0 105.7 100.9 98.8 95.9 94.4 92.8 91.0 90.9 91.4	118.7	129.6
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 96.2 101.9 105.8 108.7 111.7 116.9 118.9 121.1 122.2 121.8 120.3 117.3 120.6 120.0 117.5 116.9 116.9 116.4 115.7 112.5 111.6 111.7 110.5 109.2 108.4 104.8 105.4	126.6	131.1
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 32 SEC 86.7 92.3 96.2 98.2 100.8 105.3 106.7 108.2 108.0 104.4 99.6 93.8 92.2 88.8 85.0 83.9 83.2 82.1 81.2 81.1 78.8 78.7 77.4	100.7	114.5
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 83.2 87.4 91.7 92.4 94.3 98.0 97.6 97.3 94.5 88.0 81.1 76.8 78.5 78.4 78.1 76.5 76.4 75.6 74.2 73.5 72.0 71.0 68.9 68.0	89.0	104.5
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 33 SEC 75.4 80.1 84.9 85.5 86.5 88.5 86.1 83.4 80.9 76.6 71.6 70.2 71.8 71.6 71.0 70.5 70.1 69.9 68.3 67.2 65.9 64.3 63.6 62.3	80.3	94.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 33 SEC 68.8 71.1 75.5 76.7 76.6 78.6 75.6 73.5 67.8 63.7 61.9 63.1 65.0 64.1 63.5 62.6 62.1 60.9 59.6 58.4	71.1	84.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 32 SEC 68.3 70.5 68.5 69.5 69.9 67.1 67.9 67.0 64.3 61.7 62.0 62.8 61.2 59.6 58.3 56.8 54.9 52.9 50.6	66.9	78.2
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC 65.1 62.5 63.7 63.0 62.9 64.8 63.4 60.1 56.8 57.1 57.8 56.7 54.9 53.0 50.9 48.7 46.6 44.0	61.9	72.2
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 33 SEC 59.2 59.1 59.7 57.6 52.8 53.3 54.3 52.8 51.2 50.0	57.3	67.0

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-119

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT: NUMBER 119 DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	96.2	101.3	105.5	108.6	111.5	117.3	118.7	121.3	122.8	122.4	118.8	108.3	110.8	113.3		120.6	129.2
	112.1	110.3	109.3	108.5	106.6	104.8	105.0	105.6	105.5	102.2		99.0	98.7				
S	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	96.1	101.2	106.1	108.9	112.0	117.5	119.3	122.3	124.7	124.5	121.3	109.5	107.2	105.9		119.6	130.4
	102.2	98.8	100.2	100.5	102.7	103.4	103.8	105.6	106.1	101.1	101.0	99.5	98.6				
T	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	96.4	101.4	104.8	108.2	110.9	117.2	118.1	120.0	119.5	117.9	112.5	106.8	112.8	115.9		121.5	127.6
	114.9	113.1	112.0	111.2	108.6	105.8	105.9	105.7	104.8	103.1		98.5	98.8				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	91.6	96.5	101.7	103.7	106.6	113.3	114.7	116.3	114.5	107.2	96.0	93.1	100.0	102.5		113.2	121.9
	103.1	104.1	105.3	105.0	103.2	99.8	97.2	97.0	94.2	93.6		88.2					
B	DIST FROM SOURCE: 230 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	84.5	89.9	95.7	97.3	100.4	105.8	105.5	104.9	100.7	90.2	81.6	85.4	93.6	97.2		108.0	113.1
	99.1	100.6	102.1	100.3	95.7	94.1	93.4	91.4	88.8	88.2		81.0					
C	DIST FROM SOURCE: 423 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	79.9	85.0	90.9	92.6	95.5	100.2	98.2	92.9	87.6	76.5	73.6	78.1	87.7	91.8		101.4	106.3
	94.3	95.8	95.7	91.4	88.1	86.9	86.3	84.3									
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	75.6	81.4	87.8	89.4	91.8	94.1	90.5	85.7	80.8	75.3	72.1	78.2	85.7	88.9		95.5	100.8
	90.4	88.2	88.2	86.8	82.3	79.5	78.9	75.0	69.9	66.8							
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	74.6	79.5	85.1	86.2	87.7	88.9	84.0	78.9	76.1	73.7	69.4	72.2	78.1	78.1		84.7	94.8
	77.4	78.6	77.5	74.9	72.1	68.3	64.8	60.8									
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	67.6	72.9	78.8	79.5	79.0	78.0	71.7	73.9	68.5	63.4	63.7	67.4	72.9	74.3		77.8	86.8
	72.4	71.4	70.2	64.4	59.5	57.4											
G	DIST FROM SOURCE: 2079 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	66.7	73.2	78.2	77.3	77.2	76.7	69.8	71.3	70.0	65.1	61.3	64.0	70.1	71.2		74.1	85.1
	68.2	67.2	64.9	60.4	55.1	51.8											
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	66.6	72.5	76.3	75.1	75.3	76.0	70.6	66.8	66.7		58.4	60.7	66.6	68.3		71.1	83.2
	66.7	64.4	60.2	55.4	51.6	48.5											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	69.7	70.2	74.0	72.8	73.2	73.8	69.5	63.9	65.7		57.2	60.2	66.2	66.6		69.4	81.2
	64.1	62.0	58.6	54.0	49.6	47.9											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: ONEGA 12.2 TEST AA-109-120

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 120 DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	96.3	101.6	106.0	108.9	111.7	116.8	118.7	121.3	123.1	122.7	120.2	116.6	119.6	118.4		124.7	130.7
	115.9	115.1	114.6	114.3	113.2	110.2	109.1	109.2	107.8								
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	96.2	101.6	106.1	109.1	111.9	116.5	118.8	121.8	123.9	123.4	120.4	114.9	116.1	113.9		119.5	129.9
	107.6	102.0	99.9	97.9	96.9	95.2	93.4	93.5	93.8								
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	96.3	101.6	105.9	108.7	111.5	117.1	118.7	120.7	122.0	121.8	120.0	117.8	121.5	120.6		127.2	131.3
	118.6	118.0	117.5	117.2	116.2	113.1	112.1	112.2	110.8	108.9	108.4	104.7	105.5				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	86.9	92.5	96.7	98.7	100.8	106.0	106.8	108.0	108.1	104.8	99.3	93.7	92.0	89.1		100.8	114.6
	86.3	84.1	83.5	82.8	81.6	81.8	79.5	78.6	78.3								
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	83.2	87.7	92.3	93.2	94.5	99.3	98.6	98.3	95.6	89.5	82.4	77.9	78.6	78.3		89.8	105.5
	77.5	76.9	76.8	75.9	75.2	74.7	73.0	72.0	69.9	69.0							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	74.5	78.7	83.0	84.1	85.8	88.7	86.4	83.1	78.3	74.4	71.2	71.8	73.2	71.1		80.2	94.1
	71.3	70.8	70.1	69.6	68.3	67.3	65.5	63.3	61.1	60.5							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	65.6	67.4	71.2	71.5	70.9	74.7	71.3	69.9	68.0	63.7	61.9	62.9	64.5	63.8		70.5	81.0
	63.1	62.1	61.5	60.2	59.0	57.6	56.0										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	65.1	66.7	69.7	66.4	67.7	66.5	69.9	71.9	71.5	67.6	65.3	65.0	65.8	64.9		70.6	79.6
	63.5	62.3	60.7	58.6	56.8	54.4											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
			64.7	62.4	63.7	66.7	64.5	66.5	66.3	62.6	59.6	58.9	59.8	58.7		64.1	74.0
	56.9	55.3	53.8	51.4	48.9	46.2											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC							
								61.1		56.3	55.5	55.5	56.7	54.6			
	52.6	50.9															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-121

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 121 DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87

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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	95.3	100.9	104.2	108.5	111.6	116.6	118.8	121.3	123.0	122.2	116.9	108.1	111.8	113.2		120.5	129.0
	111.5	110.2	109.4	108.6	107.3	105.6	105.3	105.6	104.8		101.4	99.0	98.8				
S	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	95.3	100.9	104.8	108.9	112.3	116.8	119.4	122.4	125.0	124.5	119.5	108.7	106.4	105.1		119.4	130.3
	101.2	99.2	101.3	102.1	104.4	104.8	104.5	105.4	104.4		100.7	99.2	98.4				
T	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	95.3	100.9	103.5	108.1	110.8	116.4	118.2	119.8	119.2	116.8	109.6	107.4	114.1	115.9		121.5	127.3
	114.3	113.0	112.0	111.1	109.0	106.2	106.0	105.8	105.2	102.9	102.0	98.8	99.1				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	91.1	96.6	101.0	104.4	107.0	113.1	115.3	116.3	113.9	105.0			100.2	103.3		114.1	122.0
	104.6	106.5	107.6	105.9	101.3	100.4	100.1	97.8	96.6	95.1							
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	84.6	90.5	95.5	98.6	101.2	106.4	106.4	105.1	99.7	86.8	80.0	87.8	95.2	98.7		108.5	113.7
	100.1	102.0	103.2	99.2	95.4	94.7	92.9	90.8	87.5			82.2					
C	DIST FROM SOURCE: 423 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	80.3	86.1	91.1	94.0	96.2	99.6	96.0	89.2	86.1	76.1	75.6	80.5	86.1	89.9		99.6	105.2
	93.2	95.1	93.2	86.5	87.9	85.5	85.0	83.8									
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 21 SEC					
	77.2	83.7	89.4	92.0	93.9	94.8	89.0	85.4	81.6	77.2	75.4	81.5	86.9	88.8		92.1	100.9
	87.2	84.4	81.1	78.6	79.3	76.2	75.0	71.8	67.5								
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	74.4	80.4	84.8	86.0	85.3	83.9	77.6	76.9	77.9	76.4	72.5	76.9	82.3	82.3		85.7	93.6
	81.4	78.2	75.1	69.4	70.3	67.5	63.4	61.4									
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	70.5	75.4	80.1	79.9	76.7	72.5	72.3	72.0	67.6	65.6	64.9	69.9	74.4	75.8		77.8	86.6
	72.5	69.5	66.0	62.5	62.8	59.0											
G	DIST FROM SOURCE: 2079 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	67.3	73.8	76.3	76.2	73.0	70.4	66.5	68.0	69.1	67.9	64.3	67.3	71.5	72.7		74.7	83.5
	69.3	67.0	62.6	59.3	56.4	52.9											
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	65.3	71.7	73.3	73.8	73.6	72.8	68.3	73.1	67.6	62.9	59.8	65.2	70.2	71.1		72.8	82.5
	67.0	64.1	60.6	56.7	54.2	50.5											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	63.2	69.6	70.7	71.5	72.4	70.3	68.4	68.4	66.8	63.3	60.2	63.7	68.6	68.6		70.9	80.3
	65.7	62.1	59.1	53.7	51.9												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-122

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 122 DATE 09 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	95.5	101.6	105.4	108.0	111.8	116.1	118.6	121.4	122.9	122.3	120.1	116.2	118.5	117.6		124.2	130.3
	114.8	114.4	114.3	113.8	112.7	109.7	108.9	109.4	108.2								
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	95.7	101.8	105.6	108.3	112.0	115.9	118.7	122.0	123.9	123.0	120.2	114.3	114.8	112.6		119.0	129.7
	106.5	102.0	100.0	98.1	97.3	95.4	94.8	95.5	96.0								
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	95.4	101.5	105.3	107.7	111.6	116.4	118.4	120.7	121.7	121.5	120.0	117.5	120.5	119.8		126.7	130.9
	117.5	117.3	117.2	116.8	115.6	112.7	111.8	112.3	111.0	109.4	108.5	104.6	105.2				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	86.6	92.9	96.6	98.6	101.5	105.9	107.1	108.6	108.5	105.2	101.1	95.9	93.4	89.9		101.7	115.0
	87.0	85.5	85.5	84.8	83.4	83.5	81.3	80.3	79.7								
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	82.7	87.8	92.0	93.0	95.1	98.7	98.6	99.0	97.0	91.7	84.6	80.4	81.2	80.0		91.0	105.8
	79.1	78.5	78.0	77.1	75.9	75.7	74.2	73.3	71.2								
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	74.4	79.8	83.7	84.6	86.3	88.1	84.8	82.6	80.1	75.3	70.9	70.1	71.9	71.7		79.8	93.9
	71.4	70.4	69.8	69.3	67.8	66.7	65.0	62.7	60.4								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	68.5	70.2	73.7	74.0	73.3	74.3	70.9	71.1	68.8	65.9	64.1	64.3	66.0	65.2		71.5	82.3
	64.0	63.0	62.1	60.9	59.7	58.3	56.2										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 28 SEC							
			66.8	67.9	67.2	68.0	68.8	70.4	68.7	65.6	63.1	62.1	63.4	61.7		67.8	77.5
	60.3	59.4	57.8	56.0	54.2	51.7											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 26 SEC							
									62.2	60.1		58.0	57.8	56.4			
		51.9				42.6											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 28 SEC							
						62.8	62.0	61.4	59.5	56.9	56.2	56.3	57.0	55.0		59.3	69.0
	52.7	50.9															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: ONEGA 12.2 TEST AA-104-123

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 123, DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	95.4	100.8	104.1	107.7	111.2	115.9	117.9	120.7	122.4	121.6	116.7	108.2	111.3	111.8		120.1	128.5
	110.5	109.0	108.8	109.3	107.2	104.6	104.9	105.9	106.0	102.4		98.9	99.2				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	95.4	100.9	104.7	108.1	111.8	116.0	118.4	121.8	124.2	123.7	119.2	109.1	107.9	104.2		118.9	129.6
	100.4	97.2	99.4	100.8	102.6	103.1	103.9	105.7	106.7	101.9		99.0	99.2				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	98.4	100.8	103.4	107.4	110.5	115.7	117.3	119.4	119.3	117.4	110.7	107.1	113.2	114.4		121.1	127.0
	113.3	111.8	111.6	111.9	109.4	105.7	105.8	106.1	105.3	102.8	102.1	98.7	99.1				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	89.9	89.6	94.5	96.9	99.8	105.1	105.3	105.2	101.3	91.2	90.1	83.9	89.5	91.2		105.8	112.2
	92.4	94.1	96.9	98.7	98.4	95.5	91.7	89.8	87.6	87.6		79.6					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	79.2	84.9	89.9	92.1	94.8	99.1	96.8	91.2	82.8	75.1	69.0	75.9	81.1	83.7		97.6	104.2
	86.1	88.6	91.6	91.6	86.8	84.5	85.1										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	75.6	81.9	87.3	89.5	91.9	94.0	89.6	81.8	78.7	72.5	68.5	74.7	81.7	84.6		90.9	99.2
	84.5	84.2	84.2	80.7	77.4	76.2	74.9	71.4	66.8	64.7							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	73.6	79.4	84.4	85.9	87.3	88.5	83.1	78.0	75.6	69.6	66.6	73.0	78.5	80.0		85.1	94.5
	79.9	78.5	77.1	74.6	69.9	67.7	65.8	61.9									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	69.3	73.4	78.2	79.5	79.6	80.2	77.8	74.9	69.0	64.1	63.2	68.3	72.4	74.0		79.1	87.7
	74.7	73.0	71.3	67.0	63.8	61.2											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	69.5	74.9	78.9	78.9	79.1	78.2	77.0	74.8	72.5	71.5	68.1	71.0	76.0	75.8		78.8	87.7
	74.1	70.7	67.6	63.6	59.7	56.2											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	69.0	74.4	78.4	78.3	78.5	77.3	74.0	72.4	71.2	68.9	66.5	72.4	77.1	76.3		79.2	87.2
	74.7	71.0	67.3	62.1	58.3	55.4											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	67.6	72.6	76.7	77.1	77.8	76.5	72.1	71.4	70.2	67.9	64.9	70.4	74.9	75.2		77.2	85.8
	72.6	68.4	64.1	59.0	56.2	52.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-124

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 124
DATE 09 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	95.3	99.5	102.6	106.2	110.7	114.7	117.7	120.5	121.6	118.6	113.1	107.8	105.3	106.9		117.4	127.0
	107.6	107.6	106.4	105.9	104.3	102.5	102.4	103.2	103.0	100.0							
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	95.2	99.3	103.2	106.6	111.3	114.8	118.1	121.5	123.4	120.6	115.5	109.0	101.9	99.0		116.4	128.1
	97.2	96.1	98.0	98.4	99.9	100.8	101.1	102.9	103.5	99.1							
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	95.3	99.6	101.8	105.8	110.0	114.5	117.2	119.2	118.5	114.5	107.1	106.2	107.1	109.5		118.2	125.5
	110.4	110.5	109.1	108.5	106.5	103.7	103.5	103.4	102.4	100.8			96.1				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	83.0	88.9	93.5	96.2	99.5	104.0	105.4	105.3	100.9	88.0	78.1	81.7	85.6	89.6		106.1	112.0
	94.1	96.7	98.6	99.2	97.9	94.6	91.1	90.4	87.3			78.9					
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	79.9	84.3	88.5	91.1	94.0	97.8	95.8	88.3	81.6		69.5	73.6	78.5	83.9		100.7	104.3
	89.7	93.6	96.0	94.3	89.1	85.4	86.5	84.4									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	74.8			88.1	90.9	92.8	90.2	81.9	73.2	66.3	64.7	69.9	72.9	76.3		89.7	97.3
	80.8	83.6	85.8	81.2	75.9	73.4	74.4	67.9	63.2	60.1							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
		78.7	83.2	84.3	86.7	88.1	83.8	75.6	73.7	66.2	65.7	70.3	73.1	75.6		84.5	93.2
	79.0	80.5	78.4	70.3	68.5	66.7	64.4	60.9									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	67.3	73.6	78.1	79.3	78.5	77.6	73.0	72.6	65.4	60.2	64.6	67.4	71.0	73.8		78.6	86.5
	74.8	73.7	69.5	63.2	60.7	59.8											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 30 SEC							
		73.9	77.8	77.2			73.3		67.6	65.4	63.4	66.5	69.6	72.7		76.2	82.4
	74.0	69.7	64.5	59.0													
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	66.6								64.9	62.2	62.5	66.6	69.0	72.0		75.7	80.7
	72.5	68.6	61.2	55.9													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	65.2		74.8						63.1		62.2	67.0	65.9	69.1			
	69.4	64.8	59.1														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-125

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 125
DATE 10 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	99.3	104.3	107.6	110.1	114.0	117.8	120.8	123.4	125.2	125.1	122.8	119.3	121.9	120.5		126.7	132.8
	118.3	117.4	115.6	113.9	112.8	110.9	111.1	111.7	111.1	108.7	108.9	104.9	105.4				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	99.2	104.3	107.7	110.4	114.1	117.4	121.0	124.2	126.5	126.5	123.8	119.3	121.1	119.4		124.7	133.0
	114.2	107.1	100.4	103.7	107.2	108.6	109.8	111.1	109.9	106.9	107.9	104.0	104.0				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	99.5	104.3	107.5	109.7	114.0	118.1	120.6	122.4	123.3	123.2	121.5	119.3	122.6	121.5		128.0	132.6
	120.3	120.2	118.5	116.7	115.2	112.4	112.2	112.2	112.0	110.0	109.7	105.7	106.5				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	90.9	96.6	100.3	102.5	106.4	110.6	113.1	114.9	115.2	111.4	103.2	92.2	98.5	100.8		113.8	121.5
	102.5	104.7	105.9	105.3	101.7	101.2	101.0	98.1	96.8	96.7	93.6	92.3	90.8				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	88.8	93.6	97.7		102.3	106.4	108.3	109.2	107.4	101.1	87.2	86.0	92.7	94.6		109.1	115.4
	96.4	99.8	102.6	102.8	98.2	95.8	95.9	93.4	93.3	91.5							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	82.3	88.2	93.1	95.4	99.2	103.0	103.9	101.5	92.6	84.7	76.7	77.3	83.8	87.3		102.1	109.6
	90.7	94.1	96.1	95.6	90.8	86.0	88.3	83.9	83.2	81.2	78.5						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	78.7	83.6	88.7	91.5	95.2	99.0	98.9	95.7	87.0	74.3	70.1	76.1	81.6	85.5		97.2	105.0
	88.6	91.0	92.0	89.1	83.7	81.5	79.6	76.8	74.9	72.5							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	78.4	81.3	86.3	87.8	90.8	93.4	90.5	84.3	76.1	73.5	70.7	76.4	81.4	85.4		93.8	99.5
	87.9	89.4	87.8	82.8	78.3	76.4	74.2	70.7									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	75.8	81.2	85.6	87.1	89.1	90.4	88.2	85.7	82.7	80.0	73.6	77.6	83.4	85.4		91.2	97.8
	85.3	85.3	83.5	80.9	78.0	75.3	71.9	65.5									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	74.8	80.2	85.4	86.4	87.3	86.9	83.7	81.5	79.8	74.5	78.7	82.9	86.0	86.2		91.2	96.6
	85.8	84.6	83.2	80.3	76.3	74.2											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	77.3	82.4	86.3	86.0	83.5	86.5	88.8	93.8	95.1	90.3	79.5	82.0	87.2	87.6		92.6	100.7
	87.5	85.7	82.4	78.8	75.3	72.0	67.6	63.7									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-126

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 126
DATE 10 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 39 SEC		
	98.4	103.7	107.3	110.4	114.0	117.9	120.0	123.0	124.9	124.7	121.4	116.0	116.3	113.8		123.9	131.5
	112.7	111.9	111.2	112.3	112.5	110.2	109.8	109.8	110.1	107.9	107.4	104.3	105.0				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 39 SEC		
	98.0	103.4	107.6	110.3	114.1	117.4	119.9	123.6	126.3	126.4	123.4	117.5	117.0	112.7		121.9	132.2
	105.9	98.9	96.6	95.9	98.9	100.3	101.8	104.9	106.4	103.5	103.2	101.6	101.4				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 39 SEC		
	98.7	104.1	107.1	110.5	113.9	118.4	120.2	122.4	122.8	121.9	117.6	113.8	115.3	114.7		125.3	130.5
	115.2	114.8	114.1	115.3	115.4	113.0	112.4	112.0	112.1	110.0	109.6	105.9	107.0				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 38 SEC		
	92.5	97.5	102.2	104.4	107.4	112.7	115.1	117.5	117.7	114.0	107.6	99.1	96.8	97.2		112.9	123.4
	98.5	99.2	99.9	100.2	101.2	101.2	100.8	100.0	98.3	97.6	94.6	92.9	89.0				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 38 SEC		
	84.7	91.0	96.1	98.4	101.7	106.4	108.3	110.0	108.3	103.0	93.7	84.6	86.6	88.7		104.8	115.4
	90.7	92.4	93.6	93.3	93.9	94.1	93.4	92.0	90.2	87.7	85.1	82.3	79.8				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 38 SEC		
	79.6	84.1	89.2	91.4	94.7	99.4	101.4	101.9	96.5	81.4	71.9	70.9	74.4	76.7		91.5	106.9
	78.6	78.8	79.4	78.8	79.4	80.0											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 38 SEC		
	73.4	79.3	84.6	86.5	89.2	93.4	94.4	94.7	90.2	78.5	65.2	66.1	67.9	69.0		83.6	100.3
	69.5	69.6	69.3	68.7	67.8	66.5	64.1	61.0									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 38 SEC		
	69.9	74.2	79.4	80.8	82.8	86.1	85.6	84.4	79.7	69.0	58.4	59.4	61.1	62.9		75.2	92.0
	63.6	64.2	64.4	63.3	61.8	59.4	56.0	52.4									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 39 SEC		
	64.7	68.2	73.0	74.4	76.0	78.2	75.3	70.8	64.7	57.1			53.8	55.8		66.5	83.3
	57.5	58.4	58.5	57.1	55.0	52.1											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 38 SEC		
		66.0	69.1	68.7	71.2	72.6	69.8	67.0	61.8		50.6					59.9	78.0
	52.1	52.5	51.9	51.0	48.2												
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 38 SEC		
		64.9	67.2	66.7	68.2	69.3	67.4	63.9	59.4							58.0	75.0
		52.1	51.2	49.6	47.9												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 38 SEC		
		61.9	64.3	64.6	65.9	67.1	65.6	62.1	57.7								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-127

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 127
DATE 10 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 99.3 104.4 108.0 110.9 115.0 118.5 121.5 124.0 125.7 125.6 123.7 120.2 122.4 121.0 119.2 117.9 115.4 113.2 112.3 110.9 111.2 111.7 111.2 108.9 109.2 105.6 105.9	127.0	133.4
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 99.3 104.4 108.1 111.2 115.1 118.2 121.8 125.0 127.1 127.0 124.8 120.4 121.9 119.9 115.4 108.7 102.3 104.5 107.5 108.7 109.8 111.4 110.7 107.7 108.7 105.5 105.3	125.5	133.8
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 99.4 104.4 107.8 110.7 114.8 118.8 121.2 122.8 123.6 123.5 122.3 120.0 122.9 121.8 121.2 120.6 118.3 115.9 114.5 112.3 112.3 111.9 111.7 109.9 109.7 105.6 106.4	128.2	133.0
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 91.0 96.5 100.0 102.8 106.6 110.7 113.4 115.4 115.6 112.3 105.3 93.1 99.3 101.1 103.0 105.0 106.7 107.6 106.0 103.5 101.4 101.3 99.0 99.8 96.0 94.2 92.3	115.5	122.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 88.0 92.8 97.3 99.3 102.8 107.0 108.9 109.7 107.8 101.4 86.7 86.0 93.1 97.4 100.1 102.7 104.7 104.6 100.6 97.0 96.2 93.8 92.3 90.8 87.3 84.9 82.7	111.1	116.6
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC 81.9 87.7 92.9 95.3 98.7 102.5 103.2 100.7 91.8 81.7 73.6 76.2 83.6 87.9 92.5 95.7 97.3 96.5 91.9 86.8 88.3 84.6 83.6 81.6 76.8 76.8	103.0	109.3
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC 77.1 82.3 87.6 91.2 94.7 98.3 98.7 96.1 87.6 74.9 68.6 72.0 76.7 79.9 83.1 87.0 89.7 87.6 81.1 77.9 75.9 73.5 72.0	94.5	104.2
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 14 SEC 76.4 79.0 83.0 84.7 88.5 90.8 87.6 82.7 75.7 70.3 68.2 72.5 76.5 80.8 86.9 89.2 88.2 82.0 76.0 74.4 71.5	93.1	97.6
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC 74.7 79.5 83.4 84.0 86.1 87.4 84.3 80.7 75.6 73.1 70.7 77.4 82.3 85.1 86.3 85.1 83.0 78.9 75.7 73.6 69.7 63.2	90.7	95.6
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 25 SEC 74.7 79.9 84.5 84.7 85.7 86.7 85.2 83.4 79.6 74.0 78.3 81.8 86.0 86.6 86.1 83.2 80.9 79.4 76.8 73.4	90.7	96.2
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 24 SEC 78.4 84.0 88.7 89.5 90.2 90.3 89.0 90.5 88.5 81.4 76.9 81.6 86.3 87.4 85.6 84.0 81.1 78.6 76.4 71.7 65.5 57.3	91.0	99.5

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-128

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 128
DATE 10 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	98.2	103.6	106.0	109.3	114.2	117.1	120.3	123.0	125.5	124.2	120.2	117.1	115.8	114.0	112.6	111.9	111.8	113.2	112.9	110.6	109.9	110.1	110.8	107.8	108.1	104.7	105.4	124.1	131.4
S	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	97.7	103.1	106.2	109.2	114.3	116.5	120.0	123.5	126.9	125.9	122.2	118.8	116.5	112.5	105.2	98.4	97.4	97.8	100.5	101.6	103.2	106.6	108.2	103.8	104.7	102.8	102.7	121.9	132.1
T	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	98.6	104.1	105.9	109.5	114.1	117.5	120.6	122.4	123.4	121.5	116.7	114.0	115.0	115.1	115.2	114.9	114.7	116.1	115.8	113.3	112.5	112.0	112.4	109.8	110.0	106.0	107.0	125.5	130.6
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	92.3	97.4	100.9	103.6	107.4	112.0	115.5	117.5	118.1	113.6	105.8	98.3	94.7	96.3	97.5	98.3	99.4	100.4	101.5	101.4	100.6	99.5	97.6	96.7	94.0	92.1	88.0	112.7	123.4
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	84.5	91.1	94.8	97.7	101.4	105.7	108.8	109.9	109.0	102.8	91.8	83.4	84.3	85.6	87.5	89.9	91.3	91.5	92.0	92.0	91.8	90.9	89.5	89.2	83.3	80.9		103.6	115.4
C	DIST FROM SOURCE: 423 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	78.1	84.5	88.3	91.0	94.4	98.8	101.4	100.8	95.3	78.7	70.5	71.2	74.4	75.1	75.8	78.9	81.6	82.2	83.3	83.7								93.0	106.3
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 25 SEC	
	73.1	80.0	83.9	86.1	89.7	93.6	95.6	94.9	90.0	76.5	63.5	65.0	66.8	68.5	68.8	68.3	68.6	68.2	67.3	65.8	63.5	60.0						83.7	100.7
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
		70.7	74.3	77.0	79.5	82.4	83.8	82.4	77.2	65.5	56.2	58.6	60.7	61.9	62.1	62.2	61.8	60.3	58.8	56.4	52.3							72.9	89.2
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
			66.5	69.3	72.6	73.8	71.4	68.4	63.7	56.3	52.4		53.1	54.7	55.7	56.2	56.5	55.1	52.9	49.6								64.3	79.1
G	DIST FROM SOURCE: 2079 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
			63.6	65.2	68.0	69.1	66.2	63.4	62.1		50.7			50.4	51.2	51.9	51.9	51.2	48.6	45.9								59.8	73.8
H	DIST FROM SOURCE: 2273 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
						66.0	66.7	65.7	64.0	60.2																			
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
						64.2	66.7	64.8	64.1	58.9																			

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-129

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 129
DATE 10 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 99.0 104.3 107.8 110.7 114.7 118.4 121.4 123.5 125.2 125.1 122.9 119.8 123.0 121.6 119.6 118.6 116.9 115.0 113.4 111.7 112.1 112.7 112.1 109.5 109.9 106.4 106.7	127.6	133.3
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 98.8 104.2 107.9 110.8 114.8 118.0 121.6 124.3 126.5 126.4 123.9 119.7 122.2 120.5 115.6 108.3 101.7 104.5 108.0 109.4 110.5 111.8 111.0 107.9 109.1 106.0 105.7	125.5	133.3
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 99.1 104.3 107.8 110.5 114.7 118.8 121.3 122.5 123.4 123.3 121.8 120.0 123.6 122.5 121.6 121.4 119.9 117.8 115.7 113.2 113.3 113.4 112.9 110.7 110.6 106.7 107.5	129.0	133.3
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 90.5 96.5 100.0 102.5 106.4 110.6 113.0 114.7 115.0 111.8 105.1 93.2 97.8 98.7 100.8 103.0 104.6 105.1 103.7 101.2 99.3 99.1 96.7 98.4 94.1 93.2 91.9	113.5	121.3
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 29 SEC 87.2 92.6 96.8 98.4 102.2 106.5 108.4 109.0 107.4 101.2 87.3 82.9 89.1 92.1 94.6 97.3 99.8 100.8 98.8 93.6 92.8 90.5 89.1 87.1 84.2 83.5	107.5	115.3
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC 81.9 88.2 93.1 95.4 99.3 103.0 103.6 100.8 92.4 83.8 75.4 76.1 82.9 85.3 87.8 90.7 93.8 95.2 92.3 84.8 86.8 82.1 81.4 78.7 75.9	100.9	109.2
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC 77.4 83.2 88.6 91.4 95.1 98.9 98.9 96.0 87.4 75.9 69.2 73.5 77.2 78.5 81.2 84.6 87.6 87.7 82.1 78.4 75.7 72.6 71.2	93.6	104.4
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 25 SEC 76.3 81.7 87.2 88.7 91.5 93.5 89.8 84.2 78.4 73.6 69.6 74.8 79.7 83.3 84.8 87.9 87.9 82.8 78.5 74.1 73.6 69.4	92.7	99.4
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 29 SEC 74.5 79.9 84.1 86.2 88.4 89.7 87.3 84.1 79.8 76.9 70.5 75.6 80.2 81.4 82.8 81.8 81.1 78.7 75.5 72.3 67.6 62.1	88.3	96.3
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC 73.0 79.3 84.7 85.8 87.0 85.8 83.2 83.4 80.2 74.0 76.4 80.7 84.9 86.5 86.8 85.6 83.3 79.6 75.8 73.5	91.4	96.4
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC 76.7 82.3 86.8 87.0 87.3 85.5 86.6 87.2 89.5 86.8 80.0 83.4 88.4 88.5 88.2 86.7 84.2 80.9 76.8 73.0 67.6 60.8	93.1	98.9

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-130
DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 130
DATE 10 SEP 80

MICROPHONE:
ARRAY 04

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	98.5	103.4	106.8	110.2	114.2	118.0	120.4	123.2	125.4	124.7	120.9	116.7	116.2	114.2		124.1	131.6
	112.8	112.0	111.6	112.9	112.7	110.4	109.8	109.9	110.3	108.1	107.8	104.4	105.1				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	98.2	103.0	107.1	110.1	114.4	117.5	120.2	123.8	126.8	126.4	122.8	118.4	117.0	113.1		122.1	132.3
	106.3	99.1	97.6	97.1	100.1	101.4	102.9	105.7	107.2	104.1	104.1	102.0	101.9				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	98.8	103.7	106.6	110.3	114.0	118.4	120.7	122.6	123.3	122.0	117.4	113.9	115.3	115.0		125.5	130.8
	115.3	114.9	114.5	115.8	115.6	113.1	112.3	112.0	112.1	110.1	109.8	106.0	106.9				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	92.3	96.8	101.3	104.0	107.1	112.4	115.1	117.3	117.7	113.6	106.3	98.4	95.5	96.7		112.6	123.2
	98.0	98.4	99.1	99.8	100.9	101.1	100.8	99.9	97.8	97.5	94.7	93.1	89.3				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	85.0	90.8	95.8	98.5	101.7	106.5	108.6	110.1	108.8	103.2	93.4	85.2	84.9	86.0		102.4	115.5
	87.8	88.9	89.9	90.2	89.6	88.9	88.5	87.5	88.1	84.4	80.7	78.5					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	78.7	84.1	89.3	91.7	94.8	99.8	101.7	101.7	96.2	80.0	72.0	72.3	75.1	76.1		91.2	107.0
	77.4	77.3	78.4	78.8	79.5	79.2											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	73.3	79.0	84.0	86.4	89.0	93.5	94.8	94.5	90.0	77.6	63.9	64.7	67.1	68.6		83.5	100.3
	69.5	69.1	69.4	68.6	67.7	66.2	63.8	60.6									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	69.3	72.5	77.5	78.9	81.5	85.7	85.5	84.2	79.3	66.8	58.5	59.8	61.9	63.5		74.6	91.4
	63.6	63.6	62.9	61.8	60.2	57.8	54.2										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC		
				68.4	68.4	70.2	71.7	71.4	68.1	62.9		52.1				58.9	77.6
	52.4	52.5															
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC		
				66.7	66.2	68.0	69.3	69.2	65.1	59.4							
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
				67.6	66.4	68.9	69.8	69.4	66.8								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-131

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 131
DATE 10 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 28 SEC		
	99.7	105.2	108.4	111.0	114.7	118.3	121.1	123.5	125.3	125.2	123.3	119.6	121.7	120.8	126.9	133.0
	118.6	117.5	116.2	114.5	113.2	111.0	111.2	111.7	110.9	108.6	108.6	104.7	105.2			
S	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 28 SEC		
	99.6	105.2	108.4	111.2	114.8	117.9	121.4	124.3	126.5	126.5	124.2	119.4	120.6	119.1	124.5	133.1
	113.9	106.1	99.8	103.3	106.4	107.8	109.0	110.4	109.0	105.9	106.9	102.9	102.9			
T	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	99.9	105.1	108.3	110.8	114.6	118.6	120.9	122.5	123.5	123.4	122.1	119.8	122.6	121.9	128.4	133.0
	120.8	120.4	119.1	117.3	115.8	112.9	112.6	112.8	112.3	110.2	109.8	106.0	106.7			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	90.9	96.9	100.4	102.7	106.2	110.4	112.9	114.5	114.8	111.1	103.3	92.3	99.1	102.4	113.9	121.3
	104.4	105.8	106.3	105.0	99.6	101.8	100.2	98.1	96.4	97.2	94.1	92.3				
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	88.1	93.2	97.5	99.2	102.5	106.8	108.4	108.9	106.5	98.9	86.6	84.9	90.5	94.8	107.6	115.3
	97.7	99.9	101.4	99.8	95.5	93.6	93.0	91.3	89.4	87.8	85.1	83.1				
C	DIST FROM SOURCE: 431 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	82.3	88.2	93.3	95.7	99.3	102.8	103.3	100.9	91.8	81.5	73.7	76.8	83.6	88.6	101.1	109.2
	92.2	94.9	95.5	93.0	87.0	86.8	85.7	81.1	79.5	78.2						
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	77.4	82.9	88.0	91.4	94.7	98.5	98.6	95.8	87.3	75.9	69.1	73.6	77.0	80.5	92.3	104.1
	82.5	85.2	86.3	84.0	80.3	76.1	74.4	70.7	68.0							
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 16 SEC		
	75.7	81.0	85.4	86.4	89.8	92.3	89.9	84.1	77.1	72.7	69.7	74.0	78.2	80.6	89.4	97.7
	82.7	83.5	83.4	80.9	75.4	72.2	70.8	66.8								
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 28 SEC		
	74.3	80.0	83.9	85.6	87.3	88.1	85.1	80.6	77.3	75.4	71.0	74.8	78.8	81.7	89.4	95.5
	82.6	82.1	83.3	82.4	76.6	71.1	69.0	62.3								
G	DIST FROM SOURCE: 2087 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	73.1	78.3	83.1	85.0	86.4	85.9	81.3	77.6	76.7	71.9	75.1	79.3	82.8	84.0	87.8	94.3
	82.6	80.6	78.6	76.6	74.0	70.3										
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	77.6	83.5	87.6	88.1	88.8	87.6	86.5	86.5	86.6	83.2	76.9	83.7	86.1	87.1	90.9	98.1
	85.3	83.7	82.0	79.0	76.2	71.6	65.5	59.8								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-132

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 132
DATE 10 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC		
	98.2 103.5 106.6 109.5 113.9 117.4 120.2 123.2 125.1 124.4 120.4 116.9 116.2 114.2 112.7 111.7 111.2 112.6 112.7 110.5 110.6 110.5 110.3 108.4 108.0 104.5 105.5	124.1	131.4
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC		
	98.0 103.1 107.0 109.5 114.1 116.9 120.0 123.7 126.5 126.0 122.2 118.3 116.7 112.9 106.5 99.2 96.7 95.7 98.1 99.2 100.3 103.0 104.3 101.4 101.1 100.1 100.1	121.5	132.0
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC		
	98.4 103.8 106.3 109.5 113.7 117.8 120.5 122.7 123.2 121.9 117.1 114.8 115.8 115.2 115.2 114.6 114.2 115.6 115.7 113.3 113.4 113.2 112.7 111.0 110.5 106.7 107.8	125.7	130.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC		
	92.4 97.1 101.2 103.5 106.9 112.1 115.1 117.4 117.6 113.8 106.5 100.1 97.3 97.2 97.9 97.9 97.9 98.0 98.5 98.1 97.3 96.1 94.7 93.1 89.8 87.5 84.3	111.3	123.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC		
	84.5 90.9 95.5 97.9 101.4 106.2 108.7 110.4 108.9 103.4 93.2 86.3 87.3 90.0 92.1 93.1 94.0 93.2 92.2 91.3 90.3 88.8 88.4 84.1 80.9 78.8	104.0	115.7
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 31 SEC		
	79.1 84.4 88.9 91.0 94.1 99.1 101.5 101.4 95.6 79.3 72.8 77.5 78.8 80.5 81.8 83.5 83.7 83.7 84.1	94.0	106.7
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 32 SEC		
	73.0 79.6 84.3 86.0 89.1 93.7 95.0 94.8 89.8 77.1 63.9 65.0 67.5 69.4 70.1 70.9 71.7 71.1 70.7 69.2 67.0 63.7	84.2	100.5
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC		
	72.9 77.0 78.8 80.0 83.4 84.9 84.1 78.9 67.7 58.1 58.7 60.4 62.3 62.6 63.1 63.0 62.0 60.4 58.0 54.3	74.2	90.5
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC		
	71.0 72.7 73.2 74.7 73.4 73.7 66.6 57.9 53.9 52.4 54.4 56.2 57.4 57.9 57.6 55.8 53.6 50.2	65.5	80.7
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 31 SEC		
	68.6 69.2 70.4 70.7 64.0		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 31 SEC		
	70.0 70.0 71.0		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC		
	69.7 67.7 69.6 69.0 71.1 70.7 70.9 71.9 65.5 60.2 56.0	61.3	79.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-133

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 133
DATE 10 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500		
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 29 SEC		
	99.4 104.6 108.4 111.2 114.5 118.5 121.8 123.6 125.6 125.3 123.3 119.8 122.4 121.0	127.2	133.3
	119.1 118.1 116.3 114.6 113.4 111.2 111.6 112.1 111.4 109.3 109.4 105.5 105.8		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 29 SEC		
	99.2 104.6 108.3 111.3 114.5 118.1 121.9 124.4 126.8 126.6 124.2 119.7 121.5 119.7	125.0	133.4
	114.9 107.8 101.3 104.0 107.2 108.4 109.6 110.8 109.9 106.7 107.8 104.3 104.0		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	99.6 104.7 108.4 111.0 114.6 118.8 121.6 122.8 123.8 123.6 122.1 119.9 123.1 122.0	128.7	133.2
	121.2 120.9 119.2 117.4 115.8 112.9 113.0 113.1 112.4 110.9 110.6 106.5 107.1		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 29 SEC		
	90.8 96.5 100.6 103.3 106.5 110.9 113.8 115.0 115.5 111.8 104.2 92.8 98.2 100.0	112.8	121.6
	101.2 102.8 104.3 104.5 101.4 99.1 99.5 96.7 95.9 95.8 92.0 91.6		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 29 SEC		
	90.3 95.2 100.0 102.2 105.0 109.7 111.8 112.7 110.7 104.0 89.6 89.8 95.9 98.9	109.6	118.5
	99.2 99.9 101.6 102.0 99.6 96.0 94.5 92.5 88.4 85.0 83.0		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC		
	82.0 88.1 93.8 96.4 99.7 103.5 104.3 101.4 91.4 84.5 77.7 81.3 88.8 92.7	104.0	110.3
	95.1 97.3 98.1 96.1 90.5 91.0 89.3 86.5 85.3 83.7 80.0 80.0		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 29 SEC		
	77.1 82.1 87.6 91.0 94.1 97.9 98.9 96.1 87.4 74.4 68.6 74.1 77.6 81.2	95.0	104.2
	85.0 88.7 90.0 86.3 81.9 79.0 77.3 75.7 74.5 72.6		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 29 SEC		
	75.5 80.1 85.5 87.7 90.2 92.5 90.4 85.0 78.3 72.4 69.5 73.6 77.0 78.5	88.2	97.9
	80.6 82.5 82.4 78.7 75.5 71.2 69.7 65.5 60.7		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC		
	73.7 78.7 83.3 84.8 86.0 86.7 85.2 81.8 76.2 73.4 69.4 74.4 77.5 79.2	87.1	94.3
	81.0 81.5 80.0 78.1 74.1 70.1 67.3 60.0		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 29 SEC		
	74.6 78.6 83.1 84.3 85.7 85.9 83.5 80.2 78.2 73.5 75.6 80.1 83.7 83.2	89.0	94.8
	83.2 82.5 81.4 79.0 75.7 72.6		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC		
	79.3 84.4 89.3 90.1 91.3 93.2 91.3 88.6 90.5 87.4 80.7 85.9 91.0 90.9	94.6	101.6
	88.9 87.5 85.5 82.0 78.7 74.5 69.7		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-134 DATE 05 FEB 87 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 134 DATE 10 SEP 80

MICROPHONE: ARRAY 04

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC		
	98.7 104.1 106.7 110.1 114.1 117.9 120.5 123.2 125.5 124.7 121.0 116.6 116.6 114.5 112.7 111.7 110.7 111.9 112.1 110.0 110.1 110.3 110.1 108.4 108.0 104.3 105.4	124.0	131.6
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC		
	98.5 103.8 107.1 110.2 114.4 117.6 120.4 123.8 126.9 126.4 122.8 118.1 117.1 113.6 106.9 99.5 96.6 95.3 97.8 98.7 99.7 102.2 103.5 100.8 100.3 98.2 98.7	121.7	132.4
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC		
	99.0 104.3 106.3 110.0 113.8 118.2 120.7 122.5 123.3 122.0 117.8 114.3 115.9 115.3 115.1 114.6 113.6 114.9 115.0 112.9 112.9 113.0 112.6 111.0 110.6 106.8 107.9	125.4	130.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC		
	92.6 97.6 101.3 103.9 107.0 112.5 115.4 117.3 117.9 114.0 107.2 100.5 98.0 96.9 98.0 98.1 98.1 97.9 98.0 97.9 97.4 96.2 94.6 93.8 90.4 88.1 84.4	111.5	123.3
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC		
	84.8 90.9 95.2 97.8 101.1 106.0 108.4 109.6 108.6 103.4 94.0 86.1 86.6 87.8 88.5 88.3 89.2 89.1 88.9 88.2 87.6 85.7 85.0 81.0 77.4	101.9	115.1
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 30 SEC		
	79.8 84.9 89.1 91.7 94.8 99.6 101.6 101.5 96.1 80.2 73.9 75.8 77.3 78.0 79.3 80.6 80.5 80.9 81.1	91.8	106.9
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 30 SEC		
	73.7 79.9 84.1 86.2 89.1 93.4 95.0 94.6 90.1 77.1 64.5 65.7 68.5 69.5 70.4 70.6 71.9 70.8 70.6 69.5 67.6 64.4	84.3	100.4
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC		
	72.5 75.6 77.2 79.4 83.0 83.9 83.2 78.4 68.9 59.2 60.1 61.9 63.1 63.4 63.5 63.2 61.8 60.6 57.9 54.3	74.0	89.7
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC		
	70.6 70.7 71.3 72.5 73.4 70.2 67.5 58.4 53.4 52.5 53.8 55.9 57.2 57.3 57.4 56.0 53.8 50.6	65.5	79.9
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 21 SEC		
	68.6 69.2 70.3 68.9 67.4 67.9 65.0 54.6 53.6 54.1 52.8		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 30 SEC		
	68.6 70.4 68.4 68.9 65.4 52.1		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 32 SEC		
	65.0 66.4		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-135

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 135
DATE 10 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	97.1	102.5	106.0	109.1	112.9	116.8	120.0	122.9	124.9	124.2	122.0	118.1	121.7	120.0		126.2	132.2
	118.2	117.1	115.5	113.7	112.3	110.0	110.0	110.3	110.1	108.0	107.3	104.0	104.2				
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	97.0	102.4	106.0	109.3	113.0	116.5	120.2	123.6	126.1	125.4	122.7	117.6	120.5	118.8		123.6	132.2
	114.9	110.5	106.6	102.7	103.7	104.1	104.6	106.1	107.2	104.6	104.4	101.8	101.4				
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	97.3	102.5	106.0	108.8	112.8	117.0	119.9	122.1	123.4	122.7	121.1	118.6	122.6	120.9		127.7	132.3
	120.0	119.6	118.3	116.5	115.0	112.4	112.3	112.3	111.9	109.9	109.0	105.5	105.9				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	89.4	95.0	98.3	101.0	104.4	109.1	112.0	114.1	115.1	112.7	108.4	101.8	100.0	97.7		112.1	121.0
	98.4	99.6	100.7	100.8	100.6	101.1	99.1	98.2	97.6	97.2	95.7	93.7	91.0				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	86.0	90.9	94.6	96.6	99.2	103.9	105.8	107.3	107.3	104.7	98.8	92.0	89.4	85.4		100.4	113.6
	85.1	85.7	86.2	85.0	84.1	83.5	81.8	80.9	78.8	77.0							
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	80.0	85.6	90.0	92.3	94.7	98.7	100.3	100.3	98.6	94.2	88.8	81.0	79.7	79.7		93.3	106.7
	80.6	81.2	81.8	81.7	80.6	79.6	78.2	75.5	72.9								
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	73.5	78.4	83.5	86.4	89.0	93.7	94.2	94.3	89.1	75.5	71.2	70.5	72.8	72.9		85.5	100.1
	73.9	74.6	75.5	75.1	74.1	72.0	69.4	66.0									
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	70.9	74.9	78.7	80.6	83.0	87.2	86.6	84.5	79.8	70.5	65.9	67.5	69.4	69.3		79.0	92.7
	69.9	70.6	70.3	69.4	67.4	64.6	60.8	55.2									
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	68.4	73.9	77.6	78.8	81.4	85.2	83.3	80.4	76.4	71.2	64.3	63.7	67.4	69.5		78.6	90.4
	71.3	71.5	71.6	69.7	66.9	63.0	56.4										
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	66.3	70.6	75.1	76.1	76.6	80.0	79.4	76.8	68.6	61.4	57.5	61.3	65.0	65.5		74.1	86.1
	66.3	67.0	67.9	65.3	61.7	57.0											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 28 SEC					
	64.5	70.9	74.7	76.1	77.3	80.7	79.3	75.5	70.7	62.4	58.2	59.3	63.0	64.7		73.0	86.2
	66.2	66.6	65.9	63.3	59.4	52.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-136

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 136
DATE 10 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	96.1	101.7	105.1	107.7	111.5	115.7	117.9	120.9	122.6	121.9	119.3	113.9	115.2	113.5		121.2	129.1
	111.7	109.8	108.1	108.8	109.0	106.7	106.6	107.5	107.5								
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	96.1	101.6	105.6	107.9	111.8	115.4	117.9	121.5	123.9	123.2	120.8	114.2	114.7	111.9		118.9	129.6
	107.1	101.2	97.7	93.5	92.8	91.8	92.2	93.8	95.6								
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	96.1	101.7	104.5	107.6	111.1	115.9	117.9	120.3	120.7	119.9	117.2	113.5	115.7	114.7		123.1	128.6
	113.8	112.5	110.9	111.7	111.9	109.6	109.6	110.4	110.3	109.4	108.5	104.3	105.3				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	91.1	96.3	100.7	102.8	105.7	111.3	113.6	116.0	116.2	112.8	107.3	103.7	102.7	99.7		110.2	122.0
	98.5	97.3	96.1	95.2	94.8	94.5	93.9	92.8	90.9	90.0	86.4	84.3					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	82.3	88.3	93.2	94.4	97.0	101.8	103.1	105.0	104.4	100.7	93.9	88.3	87.0	84.9		97.4	110.9
	83.9	83.4	83.1	82.4	81.3	80.5	79.2	77.9	76.2								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 22 SEC							
	76.7	81.0	85.4	86.0	87.8	92.4	92.9	93.6	89.8	84.3	75.4		72.3	72.7		84.2	99.4
	72.9	73.5	74.2	74.0	72.9												
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	67.1	72.2	77.2	77.4	78.7	81.2	74.8	74.0	71.1	68.6	64.8	64.4	66.4	65.9		74.3	86.5
	66.3	67.2	66.3	65.2	63.2	60.1	56.1										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	61.6	66.2	70.8	71.8	71.4	73.0	70.2	67.4	67.2	61.3	58.6	58.3	59.2	58.8		66.6	79.7
	59.3	58.9	58.4	56.6	53.9	50.0											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	59.9	64.2	68.7	66.7	67.4	67.2	64.8	66.1	66.2	62.8	58.8	59.1	59.4	58.9		65.0	76.4
	58.3	57.2	56.0	53.7	50.1	45.6											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	60.2	64.7	65.4	64.6	66.1	66.4	64.7	65.5		60.6	56.7	56.7	57.5	58.4		64.1	73.9
	58.0	57.1	56.1	53.7	50.2	45.6											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
		62.5	65.3	64.4	65.4	64.3	64.8	65.1					56.1	56.3		61.5	72.8
	56.1	55.1	53.7	51.3	48.0												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-137

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 137
DATE 10 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.8	102.9	106.6	109.4	113.1	117.0	119.9	122.6	124.5	124.4	122.1	118.0	121.2	120.2	126.3	132.2
	118.2	117.4	115.8	114.3	113.1	110.5	110.4	110.8	110.4	107.8	107.6	104.4	104.5			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.8	102.9	106.6	109.6	113.3	116.7	120.0	123.4	125.7	125.5	122.9	117.7	120.0	118.5	123.5	132.1
	114.3	109.4	104.8	102.1	104.2	105.0	105.7	107.4	107.8	104.0	103.2	101.7	100.9			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.8	103.0	106.5	109.2	112.9	117.3	119.7	121.7	122.7	122.8	121.2	118.3	122.2	121.4	128.0	132.3
	120.3	120.1	118.7	117.1	115.8	112.9	112.7	112.7	112.0	109.8	109.7	106.0	106.4			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	89.2	95.6	99.4	102.0	105.3	109.8	112.1	114.2	114.9	112.8	107.7	99.3	98.2	99.3	114.4	121.3
	100.6	101.8	103.2	104.0	104.0	105.1	103.2	102.3	100.5	101.3	95.9	94.9	92.7			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	85.8	91.5	95.8	97.9	101.2	105.8	107.7	109.2	108.4	105.4	97.3	88.0	86.5	87.1	103.7	115.1
	88.2	89.1	90.8	91.9	92.5	92.4	91.2	90.2	88.5	86.1	80.3	77.3				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	80.3	86.9	91.8	94.1	97.5	101.4	102.5	102.3	98.4	91.5	85.1	78.6	82.5	84.9	97.6	108.6
	86.0	86.9	88.1	88.7	87.9	86.5	85.1	82.0	78.7	75.9						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	74.6	80.4	85.4	88.6	92.1	96.7	98.1	98.3	93.1	81.3	73.8	76.2	82.6	86.5	97.9	104.6
	88.8	90.1	89.9	89.9	88.5	86.3	84.2	81.2	78.5	76.2						
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	72.3	76.5	81.6	84.5	87.7	90.9	89.8	87.8	81.3	72.4	70.1	71.9	76.5	76.4	87.8	96.7
	77.8	79.8	81.5	80.2	78.0	74.7	70.9	65.8	63.0							
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	65.2	70.9	76.4	79.0	81.0	83.0	82.1	81.0	73.5	63.4	60.9	65.0	69.7	71.8	78.8	89.4
	72.1	72.3	71.4	69.5	66.2	63.1										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	65.6	71.2	76.3	79.4	82.3	84.7	82.7	80.8	75.1	68.3	63.5	63.2	65.7	68.9	76.5	90.0
	69.8	69.9	68.4	66.3	63.1	58.3	51.6									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-138

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 138
DATE 10 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.7	101.9	105.4	108.4	111.6	116.2	118.1	120.9	122.2	121.4	119.5	114.1	115.5	114.8	120.8	129.0
	112.3	110.5	108.7	109.1	109.0	106.5										
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.6	101.8	105.9	108.6	111.9	115.8	118.0	121.3	123.3	122.5	120.7	113.9	114.2	112.3	118.6	129.3
	106.8	100.7	96.7	91.6	89.9	89.0										
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	96.8	102.0	104.9	108.3	111.3	116.5	118.2	120.4	120.7	119.9	118.0	114.4	116.6	116.3	123.4	129.0
	114.6	113.3	111.6	112.1	112.0	109.4	109.0	109.6	109.6	107.7	106.9	103.0	103.8			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	91.6	96.5	101.2	103.5	106.1	111.5	112.7	114.9	114.6	111.4	107.0	102.8	101.4	97.3	107.6	120.9
	93.2	90.6		87.1	86.2	85.0	83.2	82.2	80.7	80.4						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	83.8	89.2	93.8	95.6	98.5	103.4	104.7	106.6	105.7	101.8	96.7	90.5	88.9	85.5	98.5	112.3
	82.7	82.6	83.2	82.7	81.8	80.4	78.9	77.1	76.4							
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	78.8	83.0	87.7	89.3	92.3	96.8	98.0	98.8	95.0	85.5	78.3	75.6	76.0	77.8	89.8	104.2
	78.2	78.8	79.5	78.4	78.1	77.8										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	67.3	69.8	74.4	74.4	76.5	79.0	78.1	77.8	73.2	69.4	65.1	64.8	66.0	65.2	72.7	85.7
	64.5	64.0	63.4	61.9	60.0	57.0	53.9									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC	
		65.8	68.1	68.2	67.6	69.0	69.8	70.3	70.8	66.6	64.2	63.7	64.1	62.8	69.7	79.2
	62.7	61.8	61.1	59.0	56.3	52.3										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	62.4	65.9	68.0	65.4	67.4	69.5	69.7	69.9	71.3	67.3	64.1	63.9	63.9	63.3	69.7	79.1
	62.7	61.8	60.9	58.6	55.2	50.9										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	60.4	64.3	66.5	65.3	64.3	67.2	69.5	70.3	69.7	65.2	62.1	62.3	62.1	62.1	68.2	77.3
	61.8	60.7	59.6	57.1	53.5	48.9										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	58.0	61.6	64.2	63.5	63.4	65.6		68.0		64.2	60.7	59.9	60.1	59.5	64.4	74.1
	58.9	57.8	56.7													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-139

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 139
DATE 10 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	97.2	102.7	106.7	109.5	113.3	116.9	120.3	123.2	125.3	124.6	121.8	119.0	122.3	119.9		126.5	132.6
	118.5	117.8	116.1	114.1	112.8	110.4	110.3	110.5	110.1	107.8	107.6	104.1	104.2				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	97.4	102.8	106.8	109.8	113.6	116.7	120.6	124.0	126.5	125.6	122.4	118.4	121.2	118.5		123.8	132.5
	115.1	111.4	108.1	104.6	104.6	104.1	103.7	105.1	106.0	103.2	102.6	99.8	99.2				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	97.1	102.7	106.6	109.2	113.0	117.2	120.1	122.3	123.7	123.1	121.0	119.5	123.3	121.0		128.2	132.6
	120.4	120.3	118.8	116.8	115.4	112.8	112.8	112.9	112.2	110.0	109.8	106.2	106.5				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	89.9	95.5	99.5	101.8	105.2	109.8	112.9	115.0	116.1	113.4	109.0	103.2	101.6	99.4		111.8	121.7
	99.2	99.3	99.2	98.9	99.1	99.8	97.9	97.4	97.0	96.7	91.9	90.3					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	86.6	91.1	95.7	97.3	100.4	105.2	107.5	109.3	109.5	105.9	99.2	92.1	89.7	88.6		102.9	115.4
	89.7	91.2	91.3	88.9	88.0	88.0	86.8	85.9	84.0	81.2							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	80.3	85.3	90.3	92.0	95.0	99.4	100.3	99.7	97.8	94.6	87.6	81.3	83.0	83.1		94.1	106.6
	84.0	83.6	83.0	82.3	82.1	81.0	79.6	77.6	75.5								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	74.3	78.7	83.8	86.5	89.3	94.4	95.4	95.1	89.2	73.8	66.9	68.5	72.6	73.7		86.4	100.9
	75.1	76.5	76.7	76.0	74.9	73.1	70.5	66.3									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	70.6	75.2	80.7	82.7	85.1	89.2	88.7	87.1	80.4	69.8	63.6	64.3	68.0	69.1		81.9	94.8
	71.5	72.9	73.8	74.4	72.2	68.5	64.6	57.4									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	65.1	69.0	74.0	74.8	76.3	79.0	78.4	77.3	70.5	59.4	56.4	57.7	62.3	63.1		72.0	85.3
	63.9	64.5	64.9	62.6	60.1	56.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-140

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 140
DATE 10 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.8	101.2	104.4	107.5	110.8	115.3	117.4	120.2	121.6	120.7	118.3	113.8	115.3	113.4	119.8	128.2
	111.6	109.9	107.7	107.2	107.1	104.7										
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.4	101.0	104.9	107.5	111.0	114.8	117.0	120.4	122.4	121.5	118.9	112.7	112.9	109.6	117.1	128.2
	104.4	97.6	92.8	87.7	86.8	86.4										
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	97.2	101.4	103.9	107.4	110.7	115.8	117.8	120.0	120.5	119.7	117.5	114.7	116.8	115.3	122.3	128.5
	114.1	112.8	110.6	110.1	110.1	107.7	107.1	107.7	107.8	105.2	104.5	100.3	100.9			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	91.1	95.7	99.8	102.0	104.5	110.2	111.8	113.5	113.2	110.1	105.2	102.5	101.2	96.4	106.8	119.7
	93.2	90.7	90.6	88.6	87.8	86.7	84.9	83.5	81.6	81.7						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	83.4	88.2	92.8	94.4	96.8	102.0	103.1	104.6	103.0	98.8	92.8	87.7	86.0	83.0	96.2	110.3
	81.9	81.8	82.1	81.2	80.2	79.4	77.8	77.2								
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	77.1	81.4	85.8	87.3	89.6	94.2	94.6	94.7	91.4	83.8	75.8	73.4	75.2	74.7	86.1	100.9
	74.7	74.8	74.9	73.8	73.8	73.3										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	66.7	69.4	73.7	74.3	74.8	77.9	74.2	74.7	71.1	67.0	63.1	63.4	64.1	64.0	71.2	83.9
	63.6	63.4	62.4	60.9	58.8	55.6										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	63.2	65.0	67.4	65.9	67.2	70.0	67.0	68.5	66.5	62.8	58.8	59.3	60.4	59.8	67.0	77.4
	60.0	59.7	59.0	56.9	54.1	50.0										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC	
		61.6	64.5	62.0	63.9	67.6	63.8	65.8	63.5	60.7	58.7	57.9		56.5	63.2	74.2
	56.3	55.8	54.9	52.7	49.2	45.0										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	59.4	60.5	62.7	61.3	63.1	66.1	65.4	66.0		60.2	57.0	56.8	57.9	58.1	63.5	73.1
	57.8	56.3	55.1	52.4												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
				60.1		64.0	65.4				55.8		55.5	55.2	61.4	69.2
	54.6	54.2	54.0	51.9	49.6	48.7										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-109-141

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 141
DATE 10 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.3	102.9	106.6	109.5	113.3	117.6	121.0	123.7	125.6	125.0	122.4	119.0	122.3	120.2		126.4	132.8
	118.6	117.4	115.1	113.1	112.0	109.8	109.9	110.4	109.9	108.0	107.4	104.0	103.9				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.3	103.0	106.7	109.8	113.6	117.4	121.3	124.5	126.9	126.2	123.2	118.7	121.5	119.1		124.4	133.0
	115.6	111.3	107.1	103.7	104.9	105.2	105.7	107.1	107.8	105.0	103.3	101.3	100.8				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.3	102.8	106.5	109.2	113.0	117.7	120.6	122.6	123.7	123.4	121.5	119.2	123.0	121.1		127.8	132.6
	120.4	119.8	117.8	115.8	114.5	112.0	112.1	112.2	111.3	109.8	109.5	105.6	105.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	89.8	95.7	99.7	102.1	105.6	110.6	113.5	115.5	116.4	113.7	108.0	99.3	97.5	99.4		115.3	122.4
	102.1	103.9	105.2	105.4	105.3	105.7	102.9	101.5	100.1	100.6	95.9	94.4	91.7				
B	DIST FROM SOURCE: 230 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	86.7	91.5	96.0	97.8	101.3	106.2	108.3	109.9	109.4	106.0	97.6	87.8	86.5	87.8		106.2	115.9
	90.5	91.8	94.1	95.2	95.4	96.1	94.9	94.1	93.9	90.5	86.8	84.4	82.0				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	80.9	86.8	91.7	93.6	96.9	101.2	102.6	102.0	98.0	91.6	84.7	76.2	79.2	81.1		95.4	108.2
	83.0	84.2	84.6	84.9	85.3	84.2	82.6	80.1	78.2	74.4							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	75.3	81.1	86.5	89.5	92.9	97.5	98.9	98.8	93.1	78.7	72.8	73.6	77.7	78.7		91.5	104.4
	80.5	82.5	83.1	81.7	80.6	78.6	76.3	72.5	68.7								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	70.0	75.2	80.4	82.7	85.9	89.7	89.6	88.5	83.5	73.3	66.6	67.6	70.6	70.0		81.0	95.6
	70.1	71.5	71.9	70.6	69.5	66.4	62.6	57.1									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	63.1	68.5	73.3	74.8	76.2	78.6	76.8	75.5	70.3	62.4	57.4	60.1	63.9	64.1		73.3	84.7
	65.2	66.4	66.8	65.0	60.7	56.8											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	63.3	70.1	75.2	76.4	77.6	80.2	77.8	76.6	72.8	64.2	59.4	60.5	64.0			72.6	86.0
	67.4	68.7		64.4		56.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-142

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 142
DATE 10 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	95.8	101.0	103.5	106.4	111.5	114.1	117.5	119.9	121.7	120.7	117.7	114.7	115.0	112.1	119.7	128.1
	110.3	108.2	107.1	108.5	108.6	105.9										
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	95.6	100.9	104.0	106.5	111.7	113.8	117.2	120.2	122.6	121.6	118.5	114.2	113.3	109.5	117.3	128.2
	104.9	98.5	95.4	91.7	89.6	88.2										
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	96.1	101.0	102.9	106.2	111.3	114.5	117.8	119.7	120.6	119.6	116.6	115.2	116.2	113.7	122.3	128.2
	112.6	111.0	110.0	111.5	111.6	108.8	108.5	109.0	109.1	106.9	107.0	102.3	103.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	91.0	96.6	100.0	102.3	106.2	110.1	113.2	114.7	114.8	111.4	106.0	104.1	101.4	96.2	107.6	120.8
	92.9	90.3	88.5	89.0	88.3	85.9										
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	82.8	89.2	93.0	95.1	98.4	102.7	105.4	106.6	105.9	101.3	94.9	91.3	88.9	85.9	98.4	112.4
	83.8	83.6	83.5	82.7	82.0	80.8	79.1									
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	77.9	83.7	87.2	88.7	92.1	96.2	98.3	97.7	94.0	84.3	76.0		75.3	75.2	88.1	103.6
	74.9	75.3	76.1	75.7	75.2	74.5										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	67.1	72.1	75.5	77.5	80.0	83.4	82.8	81.4	76.1	68.9	63.5	64.4	65.1	64.2	73.4	89.2
	63.5	63.5	62.9	61.7	59.8	56.7										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 29 SEC						
		66.5	68.3	69.5	71.8	73.6	72.0	68.8	65.5	60.7	58.4	58.9	58.6	57.9	65.4	79.6
	57.8	57.2	56.5	54.4	51.3	47.4										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 28 SEC						
		64.6	66.7	66.9	67.5	70.1	68.0	68.1	66.9	62.7	60.0	60.1	60.2	59.2	65.9	77.3
	59.0	58.3	56.9	54.6	51.1	46.5										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 28 SEC						
		64.3	65.6	63.5	64.5	67.0	67.4	66.6		60.2	56.7	57.2	56.9	56.5	62.8	74.5
	56.2	55.1	54.1	51.7	47.8											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	58.7	61.3	64.1	63.1		64.3	65.4	65.1			56.1		55.4	54.9	60.1	71.4
	54.1	52.7	51.9	50.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-143

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 143
DATE 10 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC				
	97.2	102.8	106.5	109.1	113.5	116.8	120.6	123.3	125.1	124.8	122.2	118.6	121.9	120.4	126.4	132.6
	118.2	117.6	115.7	113.6	112.4	110.1	110.1	110.5	110.4	108.3	107.3	104.5	104.3			
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC				
	97.3	102.9	106.7	109.5	113.9	116.7	121.0	124.2	126.4	126.1	123.1	118.3	121.0	119.1	124.2	132.7
	114.7	110.6	107.0	104.0	105.2	105.8	106.2	107.7	108.7	105.6	103.9	102.1	101.6			
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC				
	97.0	102.7	106.4	108.8	113.1	117.0	120.2	122.2	123.2	123.1	121.2	118.8	122.7	121.4	127.9	132.4
	120.1	120.1	118.4	116.3	114.9	112.3	112.2	112.2	111.6	110.0	109.2	106.0	105.9			
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 30 SEC				
	89.8	95.8	99.7	102.0	106.0	110.3	113.4	115.4	116.0	113.9	108.8	101.2	100.3	100.9	115.9	122.5
	102.5	103.7	104.9	105.7	105.6	106.3	104.3	103.3	101.9	101.3	97.3	95.8	92.6			
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 31 SEC				
	86.5	91.8	96.3	98.0	101.5	106.0	108.3	109.6	109.3	106.3	97.6	88.8	88.3	90.5	108.3	116.1
	93.3	95.5	97.5	97.8	98.4	99.0	97.7	96.2	94.1	92.0	87.1	83.9	82.4			
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 30 SEC				
	81.1	86.7	91.6	94.0	97.6	101.4	102.4	101.9	98.1	93.7	88.1	80.8	82.0	82.9	95.6	108.4
	84.7	85.2	85.3	84.8	83.9	83.1	82.3	79.8	77.4	74.9						
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 32 SEC				
	75.0	80.6	86.0	88.7	92.3	96.6	97.9	97.2	91.1	77.2	70.0	71.0	74.2	76.4	89.4	103.2
	77.9	79.1	80.3	79.7	78.4	77.0	74.6	70.4	65.4							
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 30 SEC				
	70.6	76.0	81.2	83.1	86.9	90.4	90.3	87.7	81.3	72.3	68.3	68.3	70.1	70.9	81.5	95.9
	72.2	73.0	72.3	71.9	70.1	67.7	64.3	58.4								
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 29 SEC				
		66.8	71.3	73.5	75.9	77.2	79.2	78.9	70.3	60.7	57.2	60.1	64.4	65.0	73.7	85.2
	65.4	66.2	66.6	65.0	62.6	57.8										
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 30 SEC				
	62.5	66.8	70.7	73.2	74.8	75.9	76.6	76.8	70.5	63.7	59.9	60.4	63.8	64.5	72.1	83.7
	64.4	64.7	64.1	62.9	60.4	54.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-144

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 144
DATE 10 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	96.3	101.4	104.9	107.7	111.1	115.3	118.1	120.1	122.1	121.2	118.4	114.2	115.6	113.6	120.4	128.6
	112.0	110.5	108.6	108.4	108.4	106.0										
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	96.0	101.3	105.4	107.9	111.4	114.9	117.9	120.5	123.2	122.3	119.4	113.9	114.1	110.6	118.0	128.8
	105.9	99.9	95.9	90.2	88.4	87.5										
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	96.6	101.5	104.4	107.5	110.8	115.7	118.2	119.6	120.7	119.7	117.0	114.5	116.7	115.2	122.9	128.6
	114.4	113.4	111.5	111.4	111.4	109.0	108.6	109.1	109.2		106.3	102.3	103.0			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	91.5	96.7	101.2	103.2	105.5	111.4	113.7	114.9	115.5	112.1	106.7	104.3	102.7	98.4	108.6	121.4
	95.6	94.1	92.1	90.1	88.9	87.5	86.2	84.8								
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	83.2	89.3	94.3	96.0	98.6	104.2	105.7	106.6	106.1	102.0	95.6	90.8	88.6	85.9	98.7	112.7
	85.0	84.5	83.5	82.1	81.1	79.7	78.8	77.1	74.4							
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	77.5	82.7	87.8	89.2	91.2	96.3	97.2	96.8	93.6	85.0	76.4	76.8	75.2	74.7	87.2	103.1
	74.3	74.3	74.3	73.7	73.4	72.9										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	65.0	68.9	74.0	75.5	76.5	81.0	80.8	78.7	74.2	67.9	62.3	61.5	61.8	61.1	71.0	86.8
	61.1	61.1	60.8	59.7	57.5	54.2										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
		63.8	67.6	69.5	69.7	73.1	69.9	67.6	64.1	58.6	55.8	56.2	56.6	56.3	64.2	78.4
	56.7	56.7	56.0	53.8	50.7	46.2										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 29 SEC						
		62.1	65.6	66.1	68.0	71.0	69.7	67.2	65.6	60.6	56.9	56.6	56.7	55.9	63.1	77.0
	55.4	55.0	53.9	51.7	48.0											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 29 SEC						
		59.7	63.1	62.2	63.6	66.9	65.5	63.7			56.0		55.3	54.9	59.9	72.7
	54.2	53.2	52.0													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 29 SEC						
		58.3	62.0	60.8	62.1	64.2	64.3						54.2			
	53.3	52.7														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 145
DATE 16 SEP 80

MICROPHONE:
ARRAY 03

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-145

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	99.0	104.3	108.3	110.8	114.3	118.4	121.4	123.8	125.9	125.2	122.7	118.6	121.9	120.7	126.7	133.1
	118.5	116.8	113.9	112.2	112.5	111.4	111.9	112.7	112.4	110.1	110.4	107.7	107.0			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	99.1	104.4	108.5	111.2	114.7	118.4	122.1	125.1	127.5	126.6	123.7	118.1	119.9	116.6	125.4	133.5
	110.1	108.9	108.6	109.5	110.9	111.3	111.8	113.2	113.3	110.8	111.5	109.3	108.1			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	99.0	104.1	108.1	110.4	113.9	118.5	120.6	122.0	123.3	123.0	121.4	119.1	123.3	122.8	127.7	132.6
	121.1	119.5	116.2	113.9	113.7	111.6	112.1	112.1	111.3	109.4	109.0	105.0	105.4			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 38 SEC	
	91.2	96.5	101.0	103.2	106.7	111.1	113.1	114.1	113.5	106.6	93.3	95.8	103.7	106.7	117.4	121.9
	109.6	111.2	111.1	107.7	103.3	106.4	101.7	99.8	97.6	97.3	93.7	91.8	88.9			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	88.1	92.8	98.1	99.5	102.7	106.8	107.0	106.3	102.0	88.9	82.2	89.3	97.8	101.6	111.6	115.6
	105.6	107.2	104.6	101.0	98.3	98.1	92.4	91.0	86.5	85.5	81.0	77.1				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	82.3	87.9	94.1	96.1	99.3	102.1	99.0	90.4	83.4	72.2	72.4	81.1	91.9	97.1	102.1	108.1
	99.2	94.6	92.9	90.6	87.0	86.6	82.2	81.3	78.1	76.3	71.4					
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	77.1	82.6	89.2	92.1	94.7	97.2	93.0	85.7	73.5	63.1	63.0	71.9	82.5	89.4	91.6	101.9
	88.4	84.5	80.2	75.7	74.8	73.6	67.5	65.8								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	72.9	77.5	83.9	85.4	86.6	86.6	81.2	71.3	65.9	58.0	56.5	63.4	72.8	78.3	80.3	92.8
	75.8	72.1	71.9	65.2	60.6	61.1	55.2									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	68.5	73.4	78.0	79.5	79.1	77.1	72.6	72.0	64.9	53.7	53.3	57.5	64.3	69.8	71.7	85.7
	66.8	62.3	62.6	59.0	53.2	50.9										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	66.4	70.4	75.5	76.0	75.7	75.4	69.3	57.4	53.6	49.8	51.9	55.8	61.6	65.5	67.1	82.6
	63.5	58.3	54.9		50.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-108-146

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 146
DATE 16 SEP 80

MICROPHONE:
ARRAY 08

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	92.5	97.9	102.0	104.1	107.7	111.8	114.8	116.2	113.9	106.6	94.4	93.7	98.9	101.2	114.9	121.9
	104.2	105.9	106.3	106.1	106.2	104.3	100.0	99.1	98.3	97.0	93.2	92.7	90.5			
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	86.0	91.5	95.8	98.9	102.0	106.2	107.3	107.1	102.9	87.2	78.2	84.1	90.3	92.7	108.0	114.1
	95.9	99.4	101.8	101.6	98.4	93.8	93.1	90.1	88.5	86.8	82.8	81.0				
C	DIST FROM SOURCE: 423 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	81.0	86.5	90.8	94.1	97.3	100.1	97.2	89.9	84.8	68.7	70.0	76.9	83.1	86.7	100.6	105.9
	90.6	94.7	96.4	92.1	87.0	85.0	82.4	82.0								
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	76.5	82.8	87.3	90.4	93.2	94.8	91.5	83.5	74.1	63.7	62.2	68.7	76.0	81.5	93.8	100.6
	87.5	90.6	87.9	83.2	76.2	74.7	70.3	66.1								
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	73.8	79.2	83.9	86.7	89.0	89.1	84.2	73.0	71.2	61.7	59.2	64.9	71.3	77.0	86.2	95.1
	81.1	81.4	79.4	77.5	70.1	66.3	65.2	59.3								
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	70.7	76.9	81.7	83.5	83.7	81.2	74.5	74.2	66.5	58.8	60.5	68.6	75.8	80.0	83.6	90.8
	79.3	76.9	74.9	73.9	65.4	62.3	57.5									
G	DIST FROM SOURCE: 2079 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	69.2	76.3	79.8	81.6	81.0	78.4	72.5	70.3	68.8	63.4	61.9	66.5	70.7	79.2	83.1	89.3
	82.2	75.1	71.5	68.9	62.9	58.7										
H	DIST FROM SOURCE: 2273 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	68.9	74.1	78.8	78.6	80.4	78.6	74.6	68.9	65.9	61.6	61.9	66.2	72.4	76.8	80.1	87.5
	73.8	76.0	70.6	68.3	61.8	57.5										
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	67.5	72.3	76.0	77.4	79.0	78.5	74.0	70.0	68.7	61.9	62.8	66.8	72.5	73.5	78.3	86.2
	74.2	72.8	69.0	66.8	59.2	56.0										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-147

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 147
DATE 16 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	98.8	104.6	108.4	111.0	114.4	118.6	121.6	123.8	125.7	125.5	123.1	119.0	122.4	121.4		127.4	133.3
	118.9	117.2	113.9	112.8	113.7	112.7	113.0	113.7	113.5	111.4	111.9	109.6	108.7				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	98.7	104.7	108.6	111.3	114.7	118.5	122.2	124.9	127.3	126.9	124.0	118.6	120.4	117.5		126.5	133.7
	111.1	109.8	109.8	111.0	112.6	113.1	113.5	114.8	115.0	112.6	113.5	111.6	110.5				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	98.8	104.5	108.3	110.7	114.0	118.7	120.9	122.2	123.3	123.4	121.8	119.4	123.8	123.5		128.1	132.9
	121.6	119.8	115.9	114.0	114.6	112.3	112.3	112.1	111.4	109.7	109.3	105.5	105.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	90.8	96.8	101.1	102.9	106.4	110.9	112.9	113.9	113.4	107.5	95.5	94.3	101.5	103.2		115.7	121.1
	105.4	107.5	108.9	108.3	102.4	103.0	103.0	99.1	97.9	97.4	93.4	92.2	89.5				
B	DIST FROM SOURCE: 230 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	88.1	93.2	98.3	99.5	102.8	106.6	107.5	107.2	103.8	91.6	81.8	85.0	91.9	93.2		106.5	114.1
	94.7	97.5	100.4	100.1	91.9	92.1	93.9	89.7	87.9	86.4	82.3	80.0					
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	82.5	88.7	94.5	96.3	99.8	102.7	101.3	94.6	85.1	78.1	72.9	78.3	85.4	88.3		101.5	108.3
	92.2	95.4	96.6	90.7	85.8	90.0	85.7	85.6	82.7	82.1	76.5						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	77.3	83.1	89.3	91.9	94.7	97.2	94.1	87.0	75.1	66.0	67.0	71.2	77.8	79.3		92.4	102.0
	81.8	85.8	88.8	83.1	73.6	77.9	74.5	72.9	68.6	66.5							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	74.6	79.8	85.8	87.0	88.3	88.1	83.6	75.0	68.0	64.2	62.2	67.6	71.8	73.3		82.3	94.5
	74.1	77.0	75.0	70.9	72.5	68.7	65.7		57.1								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	70.4	76.0	81.0	82.8	82.7	82.1	78.5	73.0	64.0	60.0	58.8	64.2	70.7	73.3		83.6	90.3
	76.6	78.9	78.5	71.2	72.7	65.2	62.8	57.4									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	88.2	74.0	79.1	79.9	79.9	79.2	73.2	65.7	59.1	55.0	57.9	65.1	72.4	75.5		81.4	87.9
	77.6	76.5	74.0	68.5	64.7	62.7											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-108-148

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 148
DATE 16 SEP 80

MICROPHONE:
ARRAY 08

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	92.6	97.6	101.3	102.8	107.6	111.2	115.2	116.5	114.8	108.1	96.6	95.1	98.9	100.3	113.4	121.9
	101.7	102.6	102.6	103.5	103.7	102.9	100.8	100.1	99.2	98.0	94.4	94.0	92.3			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	85.2	91.4	95.3	97.7	101.5	105.9	107.6	106.8	102.6	87.6	77.4	84.7	89.9	92.6	107.2	113.8
	95.7	98.4	100.6	100.0	94.7	93.5	95.6	92.5	90.3	89.5	86.6	84.8	81.7			
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	80.7	86.6	90.6	92.9	96.4	100.1	98.9	91.3	84.5	69.1	69.2	76.3	81.5	83.4	100.0	105.7
	86.7	90.9	94.9	94.7	86.6	85.9	84.7	82.3	81.1	80.7						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 25 SEC	
	76.5	83.4	87.3	89.4	92.6	94.7	92.1	83.0	75.0	64.2	63.0	70.1	76.0	80.5	95.7	100.9
	85.9	90.3	92.3	85.6	80.1	76.2	76.5	74.8	68.8	66.5						
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	73.2	79.2	83.4	85.2	87.7	88.5	84.4	73.5	70.8	62.3	60.4	65.5	69.5	71.3	83.9	94.0
	75.6	78.5	77.8	75.2	73.6	67.2	65.6	61.9								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	68.9	75.9	80.0	81.5	82.5	81.6	75.5	72.9	65.2	60.3	61.5	66.7	68.9	69.6	80.5	89.0
	73.7	76.8	74.5	68.8	66.6	61.4	58.6									
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	67.4	73.9	77.9	77.6	79.0	77.7	74.9	71.7	66.9	63.4	62.7	67.6	70.9	72.3	80.7	86.8
	71.7	74.2	73.7	73.4	71.2	64.2	60.6									
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	67.6	72.6	76.9	76.8	78.0	77.9	74.5	70.9	67.5	62.6	63.9	69.0	71.9	72.4	81.4	86.7
	74.9	76.9	73.8	72.4	70.1	61.0	57.3									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	66.9	70.1	74.9	74.8	76.3	77.1	74.8	70.1	68.2	62.6	63.8	69.1	72.3	72.2	79.6	85.4
	73.6	75.0	71.1	70.4	66.6	58.7										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 149
DATE 16 SEP 80

MICROPHONE:
ARRAY 03

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-149

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.2	104.9	108.3	111.3	114.6	119.1	121.6	123.4	125.5	125.0	122.9	118.5	121.8	120.9		126.8	133.0
	118.8	117.6	115.2	112.9	112.2	111.0	111.3	112.0	112.3	109.8	110.2	107.9	107.7				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.2	104.9	108.5	111.7	114.9	119.0	122.1	124.5	127.0	126.4	123.8	117.9	119.4	116.3		124.8	133.2
	110.1	107.7	107.6	108.1	109.2	109.6	110.2	111.8	112.8	109.9	110.9	109.5	109.0				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.2	104.8	108.0	110.9	114.3	119.3	120.9	122.0	123.3	123.0	121.8	119.0	123.4	123.1		128.2	132.9
	121.5	120.4	117.8	115.1	114.0	112.0	112.2	112.3	111.6	109.7	109.4	105.5	105.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	91.9	97.1	100.9	103.1	106.7	111.0	112.9	113.8	113.4	107.4	96.9	94.3	101.2	102.8		116.2	121.2
	104.5	106.3	107.8	108.4	107.5	105.4	99.1	102.7	100.5	99.0	96.1	94.6	92.0				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	88.7	93.1	97.7	99.2	102.7	106.4	107.2	106.8	104.0	91.9	82.0	85.3	91.4	92.8		109.1	114.5
	95.4	98.6	101.2	102.4	101.0	95.3	95.3	95.5	92.6	90.5	87.6	85.0	81.9				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	82.7	88.2	93.3	95.5	99.2	101.9	100.6	94.0	85.7	77.8	71.0	75.3	80.9	83.1		101.6	107.6
	86.3	89.7	93.4	95.8	94.1	88.2	87.4	86.6	87.0	84.4	79.5						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	77.6	83.0	88.8	91.6	94.5	97.2	94.5	87.9	78.0	65.7	65.1	70.8	73.0	74.3		89.3	101.7
	75.0	77.6	79.8	81.0	79.8	79.8	78.3	76.6	72.6	68.8							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	74.2	79.3	84.9	87.1	89.0	89.9	86.1	78.6	71.5	63.3	61.7	66.8	71.3	72.9		82.1	95.2
	73.2	73.7	74.4	75.0	71.9	67.9	64.3	60.7									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	69.5	75.2	79.7	81.7	83.0	83.1	80.2	74.9	64.0	59.3	56.7	61.2	66.6	69.0		77.7	89.5
	70.2	68.9	71.4	70.6	66.7	62.5	58.0	52.4									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	66.2	71.6	76.7	78.4	79.7	80.3	75.0	64.8	55.9	52.4	55.1	60.1	65.5	68.7		77.8	86.5
	72.8	73.5	71.6	65.1	62.8	62.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-108-150

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 150
DATE 16 SEP 80

MICROPHONE:
ARRAY 08

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	92.9	98.3	102.7	104.0	107.8	112.2	115.3	116.1	115.0	108.5	97.7	96.1	100.2	101.4	114.8	122.2
	102.9	103.7	104.5	105.5	105.6	104.9	102.4	101.2	100.3	99.1	95.6	95.3	93.9			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	85.3	92.1	96.7	98.4	101.6	106.7	107.4	106.9	103.5	91.0	77.7	82.7	88.5	89.9	107.1	113.9
	92.5	94.5	96.9	98.6	99.7	98.9	95.6	90.6	88.5	88.2	84.6	82.7	79.6			
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	80.6	87.0	91.9	93.5	96.5	100.7	98.8	91.9	85.4	71.1	68.9	74.5	79.6	80.5	99.6	105.8
	84.9	89.3	93.0	94.1	91.8	83.1	83.2	82.5	81.1	81.1						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	76.2	83.5	88.6	90.3	92.9	95.4	92.3	83.7	77.9	67.9	64.4	70.8	76.0	76.5	92.4	100.5
	78.3	83.1	86.7	87.1	81.8	79.9	72.0	70.6	68.9	63.7						
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	73.0	79.9	84.8	86.1	88.2	89.6	85.2	75.5	73.1	67.4	62.0	68.5	74.5	78.2	91.7	96.4
	82.4	86.0	87.1	83.0	81.1	75.1	69.9	70.5	63.9	60.3						
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	70.4	77.6	82.5	83.2	83.5	82.8	76.7	75.2	68.1	60.1	60.3	67.3	72.3	75.0	83.7	90.8
	77.7	76.7	78.1	76.3	69.6	65.2	62.0									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-151

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 151
DATE 16 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.3	104.5	108.6	111.1	114.4	118.9	121.4	123.2	125.0	124.6	122.5	118.7	121.9	121.0	126.9	132.8
	119.1	118.4	116.4	114.5	112.8	110.6	110.8	111.1	110.9	108.8	108.6	105.3	105.7			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.3	104.5	108.8	111.4	114.6	118.7	121.9	124.2	126.4	125.8	123.1	117.7	119.0	115.9	123.3	132.6
	109.9	107.1	106.2	106.3	106.9	106.7	106.8	108.2	109.0	106.5	106.3	104.4	104.8			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.4	104.5	108.5	110.8	114.1	119.1	120.9	121.9	123.0	122.9	121.8	119.5	123.6	123.2	128.8	133.1
	121.8	121.2	119.2	117.2	115.2	112.6	112.8	112.8	112.2	110.3	110.0	106.0	106.5			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	91.8	96.5	101.0	102.6	106.3	110.8	112.7	113.6	113.4	108.7	100.7	94.9	100.9	101.4	115.1	120.8
	102.3	103.4	104.4	104.5	104.4	105.1	103.5	103.3	102.8	103.1	99.5	98.6	96.2			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	88.3	92.5	97.7	98.6	102.2	106.0	107.2	107.2	104.9	96.0	84.5	84.4	90.0	90.9	104.9	113.7
	91.1	91.4	92.7	93.3	93.6	94.7	94.4	94.2	93.1	92.2	89.2	86.4	83.3			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	82.5	87.5	93.4	94.7	98.4	101.5	100.8	95.4	89.2	83.6	74.0	73.4	78.6	80.1	91.5	106.5
	80.3	79.3	80.0	80.2	79.2	79.1	79.2	78.9	79.0	76.7	71.1					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	77.1	82.1	88.3	90.6	93.8	97.0	94.9	89.2	79.0	68.4	66.3	70.6	73.4	72.9	85.1	101.4
	73.7	73.1	75.6	75.7	75.1	73.9	70.2	68.1								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	72.6	77.4	83.2	84.4	87.1	88.4	84.4	77.4	70.1	62.6	60.6	63.4	68.4	68.9	79.6	93.4
	69.4	71.2	71.2	72.3	70.6	66.9	62.5	58.0								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	67.2	71.6	76.6	77.7	78.9	79.4	76.9	72.3	63.1	56.6	55.0	58.3	62.5	62.0	69.5	85.6
	61.5	61.6	60.9	58.9	57.1	54.9	50.2									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	65.2	68.0	72.8	73.6	74.5	75.4	71.1	63.2	56.2	50.8	52.5	55.3	59.3	58.8	65.9	81.3
	58.6	58.4	58.1	56.5	53.8	50.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-108-152

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 152
DATE 16 SEP 80

MICROPHONE: ARRAY 08

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	93.1	97.9	102.5	104.6	107.6	113.0	114.6	115.8	114.0	108.7	99.1	97.5	101.7	102.8	114.8	122.0
	103.6	104.1	104.2	104.9	105.3	104.6	102.4	101.8	101.0	99.4	96.3	96.0	94.5			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	86.5	92.3	97.2	99.8	102.5	107.9	107.7	107.5	104.2	93.1	80.6	86.2	92.1	94.1	109.4	115.0
	95.9	97.5	99.1	99.5	100.1	100.0	99.4	98.1	95.8	94.4	90.8	89.4	86.8			
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	81.7	86.8	91.8	94.4	97.1	101.6	99.9	93.7	85.8	75.1	70.5	75.4	82.3	85.0	103.7	107.6
	88.5	91.1	93.8	94.7	95.3	95.1	93.3	92.0	90.7	88.9						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	76.8	83.2	88.3	90.7	93.1	96.8	94.2	86.9	76.6	66.4	63.5	66.2	70.5	73.4	94.0	101.5
	76.1	78.1	82.4	85.2	87.5	87.3	82.6	77.3	71.3	73.8	67.2					
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	73.9	79.3	84.2	86.1	87.8	90.4	86.4	77.9	69.8	62.6	59.4	63.4	66.4	68.0	87.0	95.3
	69.2	69.5	75.2	78.9	81.6	80.0	73.2	63.7	58.7							
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	71.5	77.0	81.7	82.9	83.5	84.0	77.6	70.8	62.8	59.9	61.3	65.0	68.2	69.5	82.7	90.6
	71.3	74.6	77.9	77.3	69.8	64.3	62.8	56.0								
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	70.8	76.4	80.6	80.2	80.6	80.1	75.1	71.6	70.1	65.6	63.2	65.8	68.9	69.1	77.9	88.0
	69.0	71.2	71.6	69.9	68.1	61.5	56.3									
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	71.9	75.8	80.6	79.4	79.3	79.2	74.0	71.7	68.9	64.0	64.2	67.9	71.1	71.3	77.7	87.4
	69.9	69.5	70.6	69.0	67.4	63.2	55.8									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	71.5	74.3	79.3	78.7	78.6	78.2	73.9	69.8	67.3	63.7	64.8	68.2	71.6	71.4	76.9	86.6
	70.0	69.2	69.6	66.9	65.0	60.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-153

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 153
DATE 16 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	98.8	105.7	108.9	111.9	114.3	118.9	121.3	123.6	125.3	124.5	122.8	118.8	121.7	121.0	126.9	132.9
	119.2	118.3	116.6	114.7	113.1	110.8	110.8	111.0	110.5	108.5	108.0	104.2	104.5			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	98.8	105.8	109.1	112.2	114.5	118.8	121.8	124.6	126.6	125.7	123.4	117.9	118.9	116.1	123.1	132.7
	110.1	107.2	106.3	106.2	106.7	106.1	105.7	106.5	106.9	104.0	103.3	100.4	99.9			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	98.7	105.5	108.7	111.6	114.0	119.1	120.7	122.3	123.2	122.8	122.0	119.6	123.4	123.3	128.9	133.2
	121.9	121.2	119.4	117.4	115.6	113.0	113.1	113.2	112.4	110.7	110.2	106.3	106.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	90.4	97.4	100.9	103.2	106.1	110.2	112.0	113.4	113.4	108.8	101.2	93.8	98.4	99.7	114.1	120.4
	100.6	101.7	102.7	103.1	103.2	104.1	102.8	102.6	102.1	102.5	98.4	97.3	94.4			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	87.1	93.1	97.3	99.1	101.6	105.1	106.1	106.8	104.9	96.5	84.2	81.5	87.1	87.2	99.9	112.8
	86.2	87.0	88.1	88.7	88.5	88.3	86.4	86.2	85.3	84.5						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	75.2	81.9	87.1	89.9	92.5	95.2	93.6	88.4	75.2	65.4	62.2	63.6	66.4	66.9	81.2	99.9
	67.2	69.3	69.6	68.3	69.4	69.4	66.0	62.7								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	71.6	78.1	83.3	85.0	86.9	88.1	84.5	77.0	67.0	62.4	59.7	61.1	63.6	63.5	73.5	93.2
	63.9	64.3	63.3	61.8	60.2	57.4	54.5									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	67.0	73.1	77.0	79.4	80.1	79.8	77.6	73.2	63.7	59.9	56.8	58.0	59.7	59.2	67.5	86.5
	58.3	57.8	57.1	55.6	54.0	51.6										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	64.2	69.5	74.5	76.4	77.5	77.9	73.7	67.8	59.9	57.2	54.9	55.8	58.6	58.0	65.1	83.7
	57.1	56.0	55.0	53.7	51.6	49.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 154
DATE 16 SEP 80

MICROPHONE:
ARRAY 08

IDENTIFICATION:
OMEGA 12.2
TEST AA-108-154

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	92.4	97.3	101.6	103.9	107.3	111.8	114.5	115.7	114.5	108.5	98.4	95.8	99.7	100.3	113.9	121.7
	101.6	102.3	103.0	104.0	104.3	103.8	101.6	100.9	100.0	98.3	95.1	94.7	93.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	85.6	91.5	96.0	99.0	102.3	106.9	107.4	107.5	104.5	93.2	79.4	84.3	89.3	89.9	106.1	114.0
	90.9	92.6	94.3	95.1	96.3	96.8	96.8	95.8	93.4	91.7	86.8	84.4	81.6			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	80.5	86.0	90.7	93.7	96.7	100.7	99.2	93.6	83.3	75.2	68.7	71.8	78.1	79.3	94.7	105.3
	81.0	82.0	83.8	84.3	85.0	85.7	84.8	82.2		82.7						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	76.0	82.1	86.9	89.8	92.5	95.4	93.3	87.1	76.5	67.6	62.6	66.4	70.5	70.5	85.3	99.9
	71.7	71.9	73.5	74.8	77.0	77.1	73.4	69.2	66.4	62.8	56.3					
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	72.9	78.3	83.7	86.0	88.6	90.7	87.3	80.1	69.3	60.7	59.5	63.8	68.9	68.4	78.6	95.2
	68.1	69.4	70.6	68.7	66.9	66.4	62.9	59.2								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	70.6	76.8	81.6	83.9	85.1	85.4	79.2	72.1	67.3	63.4	63.4	66.2	68.4	69.9	79.8	91.2
	72.8	73.1	71.0	71.2	70.3	67.6	64.1	58.8								
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	63.8	69.5	75.0	76.1	77.3	76.5	70.7	65.1	64.6	61.5	60.3	63.4	65.0	66.3	76.4	84.0
	67.7	67.4	69.7	70.2	66.1	63.0	59.8	56.6								
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	68.9	74.0	77.3	78.8	80.3	80.3	75.0	71.5	69.5	65.0	64.5	69.1	71.3	71.5	81.8	87.8
	73.9	74.6	74.1	74.1	73.1	69.6	62.2	54.0								
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	67.4	73.1	76.4	76.6	78.6	78.8	74.9	72.8	69.1	65.1	64.8	68.3	71.8	71.4	81.3	86.9
	72.7	74.8	75.4	74.0	70.7	65.7										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-155

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 155 DATE 16 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.8	103.2	106.7	109.9	112.9	117.4	120.3	122.8	124.8	123.8	121.2	118.1	121.9	120.4		126.9	132.3
	118.9	118.3	116.9	115.7	114.0	110.8	110.8	111.1	110.5	108.5	108.3	104.7	104.9				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.8	103.3	106.9	110.2	113.2	117.3	120.8	123.7	126.1	124.9	121.7	116.8	119.0	115.6		122.1	131.8
	110.4	106.8	105.3	104.2	104.4	103.7	102.9	103.6	103.7	100.7	100.6	97.4	97.0				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.8	103.1	106.5	109.5	112.6	117.5	119.8	121.6	122.9	122.3	120.6	119.1	123.6	122.6		129.1	132.8
	121.6	121.2	119.8	118.6	116.7	113.3	113.4	113.7	113.0	111.1	111.0	107.3	107.6				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	89.2	94.7	98.5	100.9	104.1	108.7	111.0	112.5	112.7	108.3	101.2	94.1	97.2	97.2		109.0	118.8
	97.8	98.3	98.5	98.1	97.0	97.3	95.1	94.6	94.3	94.0	89.9	88.2	86.1				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 24 SEC		
	85.8	90.0	94.3	96.0	98.8	103.2	104.3	105.2	103.7	96.6	85.0	80.3	82.9	83.0		96.8	111.1
	83.0	83.0	84.4	84.2	83.3	82.7	80.8	80.0	79.1	77.3	74.2						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	79.1	83.6	88.6	90.5	93.2	96.5	96.2	93.6	87.1	80.8						84.0	102.0
		73.7	74.0	72.9	71.8	70.2											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
		65.2	66.7	68.2			68.0	65.8	63.3	60.4	56.1	53.4	55.4	57.1	57.2	63.6	74.8
	56.5	56.0	55.7	53.7	51.6	49.1											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	59.3		63.3	64.3		61.5	60.6	58.4	55.4	50.7	50.7	53.1	54.2	53.6		57.6	69.0
	52.6	51.8															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-156

DATE 05 FEB 87 PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 156 DATE 16 SEP 80

MICROPHONE: ARRAY 03

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.3	103.5	107.5	110.0	112.6	117.4	120.0	122.3	124.1	123.6	120.9	117.3	121.2	120.3		126.8	132.0
	118.4	118.0	116.9	115.9	114.6	111.4	111.1	111.3	110.8	109.0	108.7	104.9					
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.3	103.5	107.6	110.3	112.9	117.2	120.4	123.1	125.3	124.6	121.3	116.0	118.0	115.1		121.2	131.2
	109.6	105.6	103.7	102.3	102.1	101.0	99.8	100.0	99.9	96.5	96.3	94.3					
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	97.3	103.4	107.3	109.7	112.4	117.6	119.7	121.3	122.5	122.3	120.5	118.4	123.0	122.6		129.1	132.7
	121.1	120.9	119.8	118.9	117.4	114.2	114.0	114.2	113.6	111.9	111.6	107.8	108.1				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	88.9	94.9	99.2	100.9	103.6	108.7	110.5	111.6	111.8	108.2	101.6	94.4	95.8	94.2		105.2	118.0
	92.9	92.5	92.0	90.9	89.7	89.5	87.4	86.9	86.9	86.3	83.1						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	85.5	90.3	95.3	96.1	98.8	103.1	103.7	104.3	102.9	97.3	86.8	79.4	79.7	77.3		94.5	110.5
	77.3	76.4	76.0	76.2	74.7	74.5											
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	79.1	84.3	89.8	90.9	94.8	96.5	96.1	93.7	87.7	81.1	72.2	67.8	68.7	69.5		83.5	102.0
	69.6	69.1	68.0	67.8	67.0	65.3											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	72.0	77.1	82.4	83.3	85.2	87.3	86.0	83.2	74.7				61.4	64.9	66.1	74.5	92.7
	65.9	64.0	62.9	60.7	59.3	57.7											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-157

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 157, DATE 16 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	98.0	103.3	105.8	109.3	113.4	117.6	120.6	123.0	124.4	122.4	117.1	107.9	111.2	111.3	121.0	130.0
	110.5	110.7	110.3	109.9	108.7	106.6	106.6	106.0	104.8	102.7	102.3	98.3	98.8			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	97.7	103.0	107.2	109.5	113.4	117.2	121.1	124.2	126.3	124.6	119.7	108.5	104.9	100.7	119.7	131.2
	96.8	96.6	99.5	101.2	104.8	106.2	106.0	104.8	101.9	99.4	99.7	96.2	96.2			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	98.2	103.5	106.4	109.2	113.3	117.8	120.0	121.3	120.8	117.6	110.0	107.1	113.6	114.1	122.0	128.4
	113.4	113.6	113.1	112.6	110.8	107.0	107.1	106.9	106.5	104.5	103.9	99.7	100.4			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	92.4	97.5	102.0	103.9	107.2	113.4	115.6	116.6	115.0	107.1	92.8	89.8	96.0	98.6	111.9	122.2
	100.1	102.9	105.1	103.5	98.2	97.7	96.5	94.7	95.3	92.6	90.2	88.5	86.0			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	85.5	91.7	96.6	98.4	101.4	106.7	107.1	106.5	102.2	87.6	78.5	83.8	90.6	93.6	105.9	113.6
	96.3	99.3	100.8	97.2	93.6	90.8	89.5	86.3	86.4	83.5	79.4	78.3				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	80.2	86.6	92.1	94.0	96.9	101.2	99.0	93.1	86.9	71.5	73.3	80.1	86.6	90.6	99.5	106.4
	93.9	95.0	93.0	88.4	84.9	84.5	80.7									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	77.0	83.7	89.3	91.2	93.2	95.5	92.1	85.4	75.7	70.9	69.5	77.0	84.8	85.6	91.7	100.8
	85.5	87.0	84.3	79.8	76.0	74.3	70.5	67.3	64.8							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	73.4	80.0	85.4	86.6	87.6	87.8	84.5	77.8	76.0	68.4	66.2	68.9	73.1	79.5	84.0	94.5
	77.1	79.1	76.8	73.2	67.6	65.0	61.6	56.9								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	69.3	75.8	81.6	82.4	81.8	81.5	77.0	75.5	70.7	61.6	61.3	63.7	68.7	71.2	77.2	89.1
	71.7	71.5	70.5	66.4	60.9	57.8										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	68.2	75.5	80.1	79.2	79.4	80.1	79.2	74.9	69.1	62.7	60.3	62.0	66.4	69.5	74.4	87.6
	69.7	68.3	65.8	62.1	56.8	53.9										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	67.6	74.3	78.7	78.0	77.8	79.7	79.9	75.4	67.0		59.0	62.8	67.2	70.9	74.8	87.0
	70.1	68.9	65.9	60.8	57.3	53.4										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	65.6	72.2	76.2	75.9		78.1	78.2	74.9	68.0		57.4	62.2	65.0	68.2	71.8	84.9
	66.2	65.1	62.6	57.9	53.6	50.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-158

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 158 DATE 16 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	97.9	103.8	106.9	109.8	113.4	117.5	120.2	122.8	124.9	124.0	121.2	117.6	121.4	120.1	126.8	132.3
	118.3	117.9	117.0	115.9	114.5	111.6	111.2	111.3	110.6	108.8	108.6	105.0				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	97.9	103.9	107.0	110.1	113.6	117.3	120.6	123.6	126.1	125.0	121.5	116.1	118.1	114.8	121.3	131.6
	109.2	105.2	103.3	102.0	101.9	100.4	99.0	99.1	98.8	95.5	95.6	93.8				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	97.9	103.8	106.8	109.5	113.1	117.7	119.8	121.8	123.3	122.7	120.8	118.8	123.2	122.4	129.2	132.9
	121.0	120.8	119.9	118.8	117.4	114.4	114.1	114.2	113.4	111.7	111.5	107.9	108.2			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	89.5	95.3	98.6	100.8	104.0	108.6	110.6	112.0	112.5	108.6	102.3	95.6	96.8	95.5	106.0	118.4
	94.6	93.5	92.4	91.9	91.1	90.9	88.0	87.2	87.4	85.8	83.2					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	85.7	90.6	94.5	95.9	98.6	103.0	103.6	104.3	103.3	97.2	87.1	79.8	79.2	78.4	94.8	110.5
	77.1	77.5	77.7	77.4	76.0	75.3	73.7	73.0								
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	79.0	84.3	88.7	90.3	92.8	96.4	95.8	93.5	88.5	81.8	72.8	65.8	68.7	69.7	83.5	101.9
	69.1	68.6	68.0	68.1	67.1	65.9										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	73.2	76.5	80.9	82.3	84.2	87.8	86.3	83.7	75.5	62.9	59.5	62.3	65.0	64.6	74.7	92.9
	63.9	63.4	63.0	61.8	60.8	58.9										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	68.5	71.4	74.7	74.7	75.7	76.9	74.2	70.5	63.8	60.0	57.5	59.1	61.8	61.0	68.0	83.3
	60.3	59.8	58.8	57.5	56.0	53.7										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	64.0	66.2	68.0	67.3	68.2	68.5	64.2	64.2	63.3	58.1	55.1	56.6	58.7	58.1	64.0	75.9
	57.3	56.0	54.9	52.9	51.1	48.8										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC	
		62.6	65.3	64.2		62.8	60.6	57.9	55.9	51.8	52.0	53.6	55.8	55.0	59.3	70.9
	53.6	52.3	51.9													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-159

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 159
DATE 16 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.4	103.0	106.9	109.2	112.8	117.2	120.1	122.3	124.3	123.5	121.1	117.9	121.7	120.2		126.8	132.1
	118.5	118.2	117.2	116.1	114.6	111.5	111.0	111.0	110.8	108.5	108.1						
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.0	102.9	107.0	109.5	113.0	116.9	120.4	123.1	125.4	124.5	121.5	116.4	118.4	115.4		121.3	131.3
	109.9	106.0	104.1	102.2	101.7	100.9	99.6	99.4	98.8	95.3	94.9						
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	97.7	103.0	106.9	108.9	112.6	117.4	119.8	121.4	122.7	122.2	120.6	119.0	123.5	122.5		129.2	132.8
	121.2	121.1	120.1	119.0	117.5	114.3	113.9	113.9	113.6	111.4	111.0	107.4	107.9				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	88.9	94.3	98.4	100.1	103.3	108.2	110.5	111.6	111.9	107.9	101.5	94.6	96.1	95.9		106.5	118.0
	95.9	95.7	95.5	94.3	93.0	92.8	89.9	88.6	88.3	87.2	84.1	82.8					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	84.9	89.7	94.3	95.3	98.0	102.7	103.8	104.6	103.3	96.8	86.7	79.8	81.7	81.5		95.6	110.5
	81.3	80.8	81.2	80.4	79.8	79.4	77.6	77.0	76.9	75.2							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	78.0	82.9	88.1	89.0	91.7	95.4	95.0	92.5	86.9	81.3	71.8	67.6	70.1	70.0		83.4	100.9
	70.2	70.5	70.7	70.5	69.2	68.3	66.5										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	72.5	74.8	79.4	80.0	81.5	84.9	83.2	80.4	72.3	60.1	57.7	59.8	62.5	62.3		72.0	90.1
	61.9	61.4	61.1	60.7	58.7	56.7											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
			72.7	71.7	71.8	73.5	70.5	65.8	62.7	58.6	56.1	57.9	60.5	59.6		66.1	79.5
	59.0	58.4	57.0	55.6	54.1	51.8											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
							64.7	63.2	60.5	55.0	52.9	55.1	56.3	55.7		61.7	68.6
	54.9	53.9	52.8	51.3	49.1	47.2											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC		
							61.2	58.7	54.7	50.0	51.2	53.2	55.0	53.8		58.1	67.5
	52.3	51.2															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-160

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 160
DATE 16 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	98.0	102.9	106.7	108.9	112.5	116.9	120.1	122.6	124.2	123.5	120.5	118.2	121.9	120.2		126.9	132.1
	118.9	118.4	117.3	116.0	114.5	111.1	110.7	110.8	110.6	108.3	107.9	104.4	104.7				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	97.6	102.9	106.8	109.2	112.7	116.7	120.4	123.4	125.4	124.5	120.9	116.6	118.8	115.4		121.5	131.3
	110.3	106.6	104.8	103.4	103.2	102.1	100.9	101.0	100.4	96.9	96.9	94.2	94.4				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	98.4	102.9	106.7	108.6	112.3	117.1	119.8	121.6	122.6	122.2	120.0	119.4	123.7	122.4		129.2	132.8
	121.6	121.3	120.2	118.9	117.3	113.8	113.5	113.6	113.4	111.1	110.7	107.2	107.5				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	89.0	94.4	98.4	99.9	103.3	108.2	110.7	112.0	112.1	108.1	101.3	95.2	96.2	95.0		106.0	118.1
	94.6	93.8	93.4	92.4	91.8	91.9	89.5	88.7	88.5	87.6	83.8	83.0					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	85.1	89.6	94.3	95.1	97.8	102.6	103.7	104.3	102.9	97.0	86.3	79.2	79.6	78.1		94.7	110.3
	77.1	77.2	78.0	77.5	77.0	76.9	74.9	74.2		72.5							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	78.3	83.1	88.5	89.3	91.7	95.8	95.5	93.3	87.6	80.4						82.7	101.3
				70.0	68.9	67.9											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	72.5	75.5	80.4	81.6	83.5	87.5	86.2	83.9	75.9	62.5	59.5	62.1	65.2	64.9		75.2	92.6
	64.7	64.6	64.4	63.4	62.1	60.2											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
			74.2	73.0	74.1	76.7	72.9	69.0	64.1	58.5	56.7	59.5	61.3	61.0		67.8	82.1
	60.1	59.9	58.8	57.5	56.1	53.5											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC		
						67.7	65.4	64.0	62.0	56.2	53.4	56.1	58.1	57.1		62.9	71.4
	56.3	55.3	54.1	52.2	50.6	47.8											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC		
			65.1							52.4	52.1	54.0	56.0	54.9			
	53.4	52.5															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 161
DATE 16 SEP 80

MICROPHONE:
ARRAY D4

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-161

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 / 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 25 SEC 98.6 103.8 107.0 109.9 113.3 117.7 120.3 122.8 124.1 122.3 117.3 107.1 109.8 110.4 110.1 110.4 110.1 110.0 108.2 106.0 105.7 105.2 104.3 102.4 101.6 97.9 98.3	120.7	129.9
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 25 SEC 98.4 103.7 107.5 110.0 113.4 117.4 120.9 124.1 126.0 124.6 119.8 107.9 103.0 99.3 96.0 96.3 99.4 102.1 105.4 106.0 104.0 102.3 99.9 99.2 98.0 95.8 95.7	119.4	131.1
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 26 SEC 98.9 104.0 106.5 109.7 113.2 118.0 119.6 121.0 120.4 117.4 110.1 106.1 112.3 113.3 113.1 113.3 113.0 112.7 109.9 106.1 106.8 107.0 106.4 104.2 103.6 99.3 99.9	121.7	128.1
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 25 SEC 93.1 97.9 102.4 104.3 106.9 113.0 114.8 116.2 114.6 106.4 91.7 89.3 96.3 99.2 99.8 101.2 102.3 101.9 99.6 95.7 94.8 93.6 91.3 88.2 86.9 84.8	110.6	121.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 24 SEC 86.6 92.4 97.4 99.6 102.0 107.1 106.6 106.3 101.7 88.1 81.0 84.1 89.9 92.3 95.3 97.9 97.7 96.0 94.3 90.1 90.1 87.2 83.8 79.8 77.1	104.6	113.3
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 24 SEC 81.6 87.8 93.2 95.7 97.9 101.1 98.6 93.4 86.8 73.0 75.4 82.5 88.8 91.7 93.4 92.9 91.2 87.5 85.7 84.3 82.5	98.7	106.5
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 25 SEC 78.4 84.9 90.3 92.4 93.8 95.5 92.0 86.5 77.3 69.3 69.2 75.2 82.3 84.4 84.1 86.5 86.5 80.7 76.6 76.0 73.0 70.1 65.9	91.9	101.2
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 24 SEC 75.3 80.9 86.0 87.6 88.2 88.2 84.3 77.6 73.3 68.3 65.1 71.7 76.9 77.6 81.1 78.0 75.7 72.0 68.8 66.7 62.6 58.5	84.3	95.1
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 24 SEC 72.5 78.2 83.5 84.3 82.5 80.4 72.5 76.8 73.4 61.5 64.5 70.9 73.1 73.2 73.7 72.0 69.7 63.8 61.1 57.5	78.2	90.3
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 30 SEC 69.8 76.1 81.1 80.7 79.8 79.1 74.7 68.5 68.7 62.1 60.2 63.5 66.4 67.1 67.2 66.1 64.0 59.4 54.9 51.3	72.3	87.4
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 29 SEC 68.2 74.1 78.8 78.4 78.2 79.2 77.7 72.2 65.3 59.2 58.5 62.7 64.8 65.1 66.1 64.6 63.1 59.0 53.9 50.3	71.3	86.3
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC 66.4 72.7 77.2 77.1 78.4 78.4 77.3 73.0 65.8 57.5 63.8 65.6 65.5 65.3 62.9 60.3 55.6 52.6	70.3	85.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-162

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 162
DATE 16 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	98.3	104.0	106.7	109.9	113.4	118.2	120.1	122.4	123.9	122.2	117.6	107.6	110.3	110.5		120.6	129.7
	110.2	110.0	109.7	109.7	108.0	105.5	105.8	105.5	104.5	102.4	101.7	98.2	98.5				
S	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	98.0	103.8	107.1	110.1	113.6	118.0	120.8	123.6	125.8	124.4	120.1	108.6	104.1	100.1		119.1	130.9
	96.6	95.4	97.8	99.9	103.3	104.4	104.2	102.9	99.7	98.3	97.6	95.7	95.9				
T	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	98.5	104.2	106.2	109.7	113.3	118.4	119.4	120.6	120.3	117.6	111.0	106.4	112.8	113.3		121.6	128.1
	113.1	112.9	112.6	112.4	110.3	106.3	106.9	107.1	106.7	104.5	103.7	99.8	100.1				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	92.9	98.3	102.2	105.0	107.5	114.0	115.0	116.1	114.5	106.5	92.3	91.0	97.7	100.1		112.3	121.9
	101.6	103.2	104.3	103.5	100.8	99.1	97.9	97.0	96.4	94.7	92.2	90.1	86.6				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	86.3	92.8	97.2	100.0	102.5	107.6	106.9	106.5	101.5	87.3	79.7	85.8	93.2	96.7		106.3	113.9
	99.4	100.8	99.7	95.3	94.1	92.3	90.4	87.7	86.3								
C	DIST FROM SOURCE: 423 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	82.3	88.6	93.3	96.1	98.2	101.0	97.8	92.6	85.7	73.7	76.4	82.8	91.1	95.1		100.6	107.0
	96.3	94.5	93.1	88.9	86.7	85.1	82.8	80.6									
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	78.5	85.3	90.2	93.0	94.3	96.0	92.2	86.8	76.8	71.7	70.4	78.1	85.4	86.2		92.9	101.7
	87.3	88.0	85.9	79.9	79.2	76.6	72.8	68.8	64.3								
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	75.5	81.5	86.2	88.5	89.0	89.0	84.7	78.3	75.6	67.5	64.9	69.8	75.8	77.6		82.6	95.5
	77.6	76.4	73.9	69.2	68.5	64.8	60.9	56.1									
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	71.9	78.2	83.3	84.8	83.4	81.4	75.1	74.9	72.3	65.5	67.3	72.5	75.2	75.3		78.8	90.7
	74.0	71.3	68.3	64.3	62.5	57.6											
G	DIST FROM SOURCE: 2079 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	71.4	77.8	81.9	81.9	81.5	81.4	79.2	74.7	72.3	67.2	63.1	67.9	71.8	74.7		77.0	89.5
	73.3	68.5	64.4	62.3	58.0	54.2											
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	69.2	75.8	79.3	79.0	79.1	80.7	79.8	75.2	70.1	63.1	58.8	62.4	66.5	68.9		73.2	87.6
	67.9	66.7	63.8	58.5	56.1	51.6											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	67.7	74.2	77.1	77.2	78.1	79.2	78.6	75.0	69.8		57.9	61.7	65.2	66.9		71.2	86.1
	66.1	64.1	60.2	55.7	53.2	49.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 163
DATE 16 SEP 80

MICROPHONE:
ARRAY 04

IDENTIFICATION
OMEGA 12.2
TEST AA-104-1

DATE 05 FEB 8
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASP (DB
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	98.1	103.4	106.8	110.0	113.4	117.6	120.3	122.8	123.9	122.5	118.1	107.6	110.3	111.2		120.9	129.
	110.6	110.7	110.2	109.9	108.4	106.3	106.3	105.7	104.6	102.3	102.1	98.4	98.7				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	97.8	103.2	107.3	110.1	113.6	117.4	120.8	124.0	125.8	124.8	120.7	108.8	104.4	100.7		119.8	131.
	97.1	96.8	99.8	101.7	105.2	106.6	106.2	104.5	101.3	99.7	100.0	96.8	96.8				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	98.4	103.6	106.4	109.8	113.2	117.8	119.6	121.1	120.3	117.6	111.1	106.0	112.8	114.0		121.8	128.
	113.5	113.6	113.0	112.5	110.2	105.9	106.5	106.6	106.5	104.0	103.5	99.5	100.1				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	92.3	97.8	102.2	104.6	107.3	113.1	115.1	116.4	114.6	106.7	92.6	89.2	96.8	99.2		111.8	121.
	100.3	102.8	104.5	103.7	99.3	96.8	96.6	95.1	93.3	92.4		88.3	85.5				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	85.9	92.3	97.2	99.5	102.1	106.7	106.9	106.7	102.0	87.7	79.6	85.8	92.8	95.2		105.8	113
	97.5	99.3	99.9	96.5	92.4	91.2	89.9	88.0	87.5	85.7		81.4					
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	82.2	88.0	93.4	95.7	98.2	100.4	97.6	93.2	87.4	74.4	76.5	83.5	92.3	95.7		101.4	107
	96.6	95.8	93.8	89.1	87.5	86.7	84.6	83.6									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	79.6	86.1	91.4	93.3	94.5	94.8	92.0	88.0	81.5	77.4	76.5	81.5	88.1	89.2		95.1	102.
	90.0	89.9	87.2	82.0	80.2	78.5	75.8	72.9	69.2	68.4							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	77.0	82.1	87.0	87.8	87.5	87.7	85.7	78.9	82.4	75.6	70.6	73.3	80.4	81.8		87.6	95
	82.4	82.4	80.3	74.6	72.2	69.5											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 21 SEC							
	74.6	81.0	85.1	84.5	81.3	78.9	74.9	78.5	76.1	70.1	68.8	70.6	77.6	78.5		81.0	91
	75.6	74.1	69.9	66.4	64.4	59.5											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	73.1	78.9	82.9	81.1	80.8	80.6	79.8	77.9	77.4	73.0	65.4	69.6	75.1	75.6		79.1	90
	74.6	72.1	67.8	63.9	60.9	56.7											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	72.4	78.0	81.4	79.6	81.0	82.1	81.9	79.0	73.6	66.9	63.6	67.9	72.6	73.4		77.1	89
	72.3	69.3	65.4	62.3	59.9	57.2											
I	DIST FROM SOURCE: 2877 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	70.3	76.3	79.4	77.9	80.1	81.0	81.5	78.8	75.3	66.2	61.8	65.4	71.1	70.4		74.7	88
	69.8	66.5	61.8	58.7	55.8	51.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-164

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 164
DATE 17 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 102.5 107.9 111.6 114.1 117.7 122.3 125.1 127.8 129.5 128.8 126.0 124.2 127.4 126.1 125.1 123.7 122.5 121.1 119.7 116.6 115.9 116.3 116.6 114.2 113.5 109.5	132.4	137.5
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 102.1 107.6 111.5 114.1 117.6 121.7 124.9 128.1 130.3 129.5 126.3 123.0 126.6 125.5 123.9 120.6 117.4 108.4 103.3 104.9 104.0 104.7 105.3 101.6 101.0 99.1	129.6	137.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC 102.8 108.1 111.7 114.1 117.9 122.9 125.3 127.5 128.6 127.8 125.8 125.1 128.0 126.6 126.1 125.5 124.8 123.9 122.7 119.5 118.7 119.2 119.5 117.1 116.3 112.3 112.4	134.1	138.0
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 88.7 94.1 98.2 100.1 102.9 107.8 110.1 112.0 112.8 109.9 105.2 101.4 97.9 93.6 93.0 92.6 93.0 92.4 91.8 92.5 90.6 89.8 89.3 88.8 86.4 85.0	106.9	118.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 83.9 88.5 92.9 93.9 96.6 101.5 102.5 103.8 103.4 99.5 92.6 86.2 81.3 79.9 79.8 80.3 80.5 79.9 79.0 78.7 77.2 76.4 74.8	95.8	110.0
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC 75.8 80.1 84.5 85.2 86.8 89.9 89.7 88.7 86.3 80.9 74.2 69.7 70.6 70.8 71.0 70.7 70.4 69.7 69.0 68.0 66.3 64.4	81.6	96.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 29 SEC 68.3 71.5 74.6 75.7 76.4 79.7 76.8 76.8 73.8 67.8 63.4 64.4 65.7 65.9 65.7 65.4 65.0 64.0 62.9 61.1	73.7	85.8
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC 63.5 64.1 66.8 66.1 67.3 66.3 62.5 58.8 59.7 59.7 58.9 58.6 57.7 56.7 55.5 53.9 51.5	65.9	74.4
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC 62.5 63.4 61.9 58.4 54.7 54.9 54.7 54.0 54.1 52.7 51.4 49.6 47.9 45.7	60.8	68.7
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 29 SEC 58.2 56.8 52.0 49.4 50.7 51.6 51.1 50.0		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-165

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 165
DATE 17 SEP 80
C-135 IDLE ON RAMP

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	102.2	107.4	111.5	113.5	117.7	121.7	124.9	127.8	129.4	128.9	126.0	124.1	127.6	126.2		132.5	137.5
	125.3	123.8	122.6	121.2	120.0	116.8	116.1	116.4	116.5	114.3	113.6	109.4	109.7				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	101.8	107.2	111.3	113.5	117.5	121.1	124.6	128.0	130.1	129.6	126.1	122.8	126.7	125.4		129.4	136.9
	123.8	120.3	116.9	107.8	102.9	104.3	103.2	104.0	104.4	100.9	100.4	98.7	98.9				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	102.5	107.6	111.6	113.5	117.8	122.2	125.1	127.4	128.6	128.0	125.8	125.1	128.4	126.9		134.3	138.1
	126.3	125.7	124.9	124.1	123.0	119.7	118.9	119.2	119.4	117.3	116.5	112.3	112.5				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	88.4	93.6	97.9	99.3	103.0	107.5	110.1	112.0	113.0	110.5	105.6	101.3	98.1	94.0		107.5	118.7
	93.8	94.2	94.7	94.2	93.1	93.5	91.6	91.0	90.1	89.6	86.9	85.1					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	83.8	88.1	92.7	93.4	96.4	100.8	102.4	104.0	103.8	100.2	92.9	86.1	81.3	80.3		96.3	110.0
	80.6	80.8	81.2	81.2	80.5	79.9	78.5	77.8	76.1	75.0							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	75.7	80.1	84.6	84.8	87.4	90.6	90.9	90.4	87.2	81.8	75.2	69.5	70.2	70.4		82.3	97.4
	70.8	70.7	70.4	70.1	69.3	68.1	66.6	64.5									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 37 SEC							
		71.4	75.0	74.4	74.9	77.0	75.5	74.8	72.7	66.5	63.0	63.9	65.5	65.6		73.1	84.3
	65.1	64.9	64.3	63.3	62.2	60.5	58.3										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 37 SEC							
										58.9	55.5	51.0	48.7		50.0	49.2	

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 166
DATE 17 SEP 80

MICROPHONE:
ARRAY 03

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-166

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500		
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC		
	102.8 107.8 111.9 114.1 117.8 122.1 124.9 127.6 129.5 128.8 126.3 123.8 127.3 126.0	132.3	137.4
	124.9 123.4 122.3 121.1 119.9 116.8 115.9 116.3 116.4 114.2 113.7		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC		
	102.5 107.6 111.8 114.1 117.6 121.5 124.6 127.8 130.2 129.5 126.3 122.4 126.3 125.0	129.0	136.8
	123.2 119.6 116.2 106.9 101.3 103.1 102.2 103.0 103.1 99.4 98.8		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC		
	103.0 108.0 112.1 114.1 118.0 122.7 125.1 127.3 128.6 128.0 126.2 124.8 128.1 126.8	134.2	138.0
	126.1 125.4 124.7 124.0 122.9 119.7 118.8 119.2 119.3 117.1 116.7 112.4 112.8		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC		
	88.9 93.9 98.2 99.9 103.0 107.6 110.1 112.0 113.0 110.3 105.9 101.4 98.6 94.7	106.7	118.7
	93.6 92.7 92.0 90.6 89.6 89.9 88.2 87.4 87.3 87.3 83.5 82.6		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC		
	84.7 88.7 93.4 94.2 96.8 101.0 102.3 103.5 103.1 99.2 92.6 85.1 81.0 78.9	95.3	109.6
	79.0 79.2 79.3 78.7 78.2 77.7 76.0 74.7		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 32 SEC		
	76.7 80.6 85.3 85.5 87.2 90.4 90.4 89.4 87.0 80.2 74.5 69.0 70.4 70.5	82.3	97.1
	71.0 71.1 71.1 70.8 69.9 68.6 67.3 65.1		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 31 SEC		
	68.9 71.2 75.0 74.5 74.5 76.1 75.2 73.6 70.8 65.2 60.9 61.7 63.5 63.6	71.7	83.8
	63.4 63.1 62.8 61.9 60.8 59.2 57.1 54.2		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC		
	64.7 65.3 65.2 65.1 64.9 65.2 66.1 64.3 60.8 57.9 58.3 58.6 58.1	64.7	73.8
	57.7 56.8 55.4 54.2 52.6 50.4		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC		
	61.6 60.3 56.6 53.4 53.0 53.5 53.3	59.3	66.8
	52.7 51.3 49.7 48.0 46.2 44.1		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 31 SEC		
	55.0 51.2 49.2 49.2 50.8 50.1		
	49.0		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-167

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 167
DATE 17 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	97.6	102.2	105.6	108.7	112.5	117.0	119.8	122.6	124.8	124.6	121.6	114.7	115.6	110.6	122.6	131.0
	107.8	109.4	109.5	110.2	109.5	108.0	109.5	109.6	107.9	106.2	106.5	103.6	103.8			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	97.0	101.8	105.9	108.8	112.5	116.6	120.1	123.6	126.6	126.6	124.0	117.0	117.6	110.7	122.7	132.4
	98.0	93.6	95.2	98.6	104.9	108.2	110.0	109.2	105.5	104.1	104.9	102.6	102.7			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	98.1	102.5	105.2	108.6	112.4	117.4	119.5	121.3	121.9	120.7	115.9	109.0	111.9	110.4	122.5	128.9
	110.6	112.4	112.4	113.0	111.7	107.7	108.9	110.0	109.4	107.6	107.7	104.3	104.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	93.2	97.1	101.6	104.0	107.4	113.6	116.5	118.3	118.3	113.0	103.3	90.9	94.4	96.6	112.5	123.9
	99.1	101.9	103.8	103.2	99.2	97.6	97.4	95.6		93.5	91.0	89.1	85.9			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	86.2	91.5	96.6	99.1	102.6	108.6	110.6	111.7	109.2	99.6	87.4	86.8	92.8	96.7	109.2	117.3
	100.2	102.4	102.3	98.1	98.5	96.5	95.0	93.0	92.6	93.6						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	80.9	86.2	91.7	94.6	98.1	103.3	103.2	101.1	98.2	86.7	78.6	84.9	91.3	93.5	100.9	109.4
	93.2	94.6	94.4	89.4	88.9	87.1	84.9	83.2								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	79.4	85.8	91.3	93.6	96.1	99.0	98.6	95.9	89.3	81.6	76.4	82.7	86.8	91.1	96.2	105.3
	91.4	90.8	86.3	84.3	82.2	79.3	76.0	72.8	68.8							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	78.7	84.6	89.6	90.5	91.2	93.0	92.5	87.7	89.5	83.7	74.6	79.0	83.8	84.6	90.4	100.3
	85.7	83.9	80.7	77.8	76.3	73.3	69.9	65.5								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	77.0	82.0	86.0	85.6	87.3	85.5	87.9	89.7	89.5	79.2	75.0	80.8	84.2	83.8	87.9	97.3
	82.9	78.7	76.3	75.0	71.9	68.5	64.3	57.4								
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	76.0	80.5	83.0	84.5	86.6	84.8	87.2	87.1	85.6	81.0	72.0	74.4	79.0	80.4	84.1	95.2
	78.9	75.4	72.2	70.9	67.1	63.3	59.8									
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	75.4	78.8	81.4	83.0	84.5	86.4	87.8	86.8	84.3	75.9	68.2	73.0	76.7	77.1	81.8	94.4
	76.3	73.1	70.1	67.7	64.6	60.1										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	72.7	77.0	79.5	81.8	82.1	85.5	86.7	85.7	83.4	76.4	68.6	72.4	75.1	76.0	80.3	93.2
	74.4	71.2	67.3	64.9	62.1	58.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-168

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 168
DATE 17 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	97.5	102.2	105.5	108.7	112.4	115.4	119.4	122.4	124.8	124.1	121.2	114.3	114.9	109.7	122.1	130.6
	107.8	109.1	109.5	109.2	108.5	109.0	109.0	108.3	106.6	105.9	104.9	102.6	101.7			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	97.5	102.5	105.8	109.0	112.6	115.3	120.0	123.7	126.6	126.3	123.8	116.8	116.9	109.8	122.4	132.2
	97.6	93.9	95.5	99.4	105.6	108.9	109.7	108.1	104.3	105.1	101.5	101.8	96.2			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	97.4	102.0	105.2	108.3	112.3	115.6	118.6	120.8	121.4	119.4	114.6	107.7	110.9	110.0	121.8	128.1
	110.6	112.1	112.4	112.0	110.2	109.1	108.1	108.5	108.1	106.5	106.8	103.3	104.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	93.4	97.7	101.9	104.4	108.0	113.5	116.6	118.7	118.2	112.7	102.3	92.6	97.6	99.9	113.1	124.1
	101.9	103.7	104.4	102.3	99.6	99.3	98.3	96.4	95.1	94.3	91.3	89.3	85.8			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	85.6	91.8	96.6	99.3	102.8	108.0	110.0	111.3	107.9	98.3	86.5	87.6	92.4	95.4	106.2	116.4
	99.6	99.6	97.5	95.3	95.2	92.3	90.9	89.2								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	80.8	86.8	92.3	95.6	99.2	103.8	104.2	102.8	99.0	87.0	77.6	84.2	90.3	93.7	99.7	110.1
	92.6	92.4	90.9	88.6	88.4	85.5	83.5	80.5								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	77.8	84.7	90.0	93.0	96.1	98.8	98.5	95.8	89.2	80.3	74.1	79.3	84.5	87.9	93.9	104.7
	88.5	87.7	85.1	82.0	80.7	78.4	75.4	72.1	67.3							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	77.4	83.8	88.9	90.7	92.2	93.2	93.1	89.7	86.2	80.6	72.2	75.2	79.0	81.3	87.4	100.1
	82.6	80.4	76.8	75.6	74.6	70.6	66.6	63.9								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	75.4	81.7	86.5	86.7	85.6	84.6	83.5	85.8	84.7	77.3	71.2	75.6	79.5	80.4	84.4	95.0
	79.3	76.2	73.3	72.6	69.2	65.7	60.8	54.6								
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	75.0	80.6	82.8	81.4	83.2	83.3	85.2	84.7	81.4	76.1	69.9	71.4	75.9	76.7	81.0	92.8
	75.3	72.7	70.2	68.7	65.9	62.3	57.4	52.1								
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	74.9	79.5	80.7	79.0	83.4	84.2	86.7	86.6	82.9	73.5	68.3	73.8	77.7	76.6	81.2	93.3
	74.8	71.7	69.3	68.3	64.8	61.0										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	72.1	77.3	78.1	77.1	82.2	83.5	86.4	86.4	84.2	74.7	68.0	73.4	76.5	76.4	80.6	92.8
	74.5	70.4	67.9	65.9	62.3	58.7										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-169

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 169
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.5	102.6	105.9	108.5	111.7	115.7	119.4	122.2	125.0	124.3	121.4	113.9	114.3	109.3		122.1	130.7
	108.2	109.5	109.9	109.3	108.5	109.1	108.8	108.0	106.5	106.1	105.0	102.7	102.0				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.6	102.8	106.2	108.8	111.8	115.6	120.0	123.4	126.9	126.5	124.0	116.5	116.3	108.2		122.3	132.3
	97.4	94.0	96.0	100.1	106.0	108.9	109.2	107.5	103.0	105.2	100.8	101.5	96.3				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.4	102.4	105.7	108.2	111.6	115.9	118.7	120.5	121.6	119.4	114.5	106.9	110.3	110.1		121.9	128.2
	111.1	112.5	112.8	112.0	110.1	109.3	108.4	108.5	108.3	106.8	107.1	103.7	104.4				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	92.9	97.7	102.1	104.1	107.2	113.8	116.5	118.3	118.3	112.6	101.9	92.1	96.8	99.1		112.2	123.9
	100.7	102.3	103.1	101.2	98.2	97.6	96.4	94.9		93.1	90.2	88.1	84.5				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	85.3	91.7	96.8	99.1	102.3	108.5	110.1	110.8	108.1	99.1	87.7	88.7	94.7	98.2		107.4	116.6
	99.9	99.7	98.0	96.8	96.9	94.4	93.6	91.7	91.2								
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	81.0	87.4	92.8	95.4	98.5	103.6	103.2	101.7	98.7	87.0	78.6	85.2	92.2	93.8		100.7	109.7
	95.2	94.7	91.7	89.3	88.4	85.5	82.9	80.3									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	78.7	86.1	91.7	93.8	95.5	98.9	99.0	95.0	91.3	81.0	76.2	79.3	88.5	91.2		96.3	105.3
	91.8	90.1	86.5	84.8	83.2	79.9	76.7	73.1	68.3								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	78.6	84.9	89.7	90.2	91.2	94.5	93.1	88.2	87.0	80.8	72.8	75.7	81.2	84.1		89.0	100.4
	84.9	82.5	78.4	76.7	74.5	70.9	66.9	63.7									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	74.5	80.8	85.5	85.2	85.0	84.5	82.5	85.1	85.4	76.6	69.6	73.6	78.6	79.3		83.4	94.2
	78.3	75.8	72.3	69.9	68.0	63.6	59.0	54.1									
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	74.7	80.1	83.3	82.9	83.1	84.4	85.2	85.6	84.2	79.1	69.9	71.2	77.3	77.7		81.6	93.6
	75.6	71.9	69.9	68.3	64.2	60.4											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	74.4	78.6	81.3	80.7	81.8	84.7	86.1	84.2	82.5	73.6	65.6	69.9	74.5	74.7		79.4	92.5
	73.7	70.7	67.6	65.1	62.1	57.9											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	71.3	76.6	78.7	78.7	80.1	83.3	84.8	83.7	82.3	73.3	64.7	68.5	73.2	74.0		78.1	91.3
	72.2	69.0	65.9	63.3													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-170

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 170
DATE 17 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	103.3 108.2 111.7 114.2 117.7 122.1 124.6 127.0 128.6 128.6 127.4 123.7 126.0 125.2 123.6 122.4 121.4 120.5 119.5 116.5 115.8 116.1 116.0 114.0	131.6	137.0
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	103.0 108.0 111.5 114.2 117.5 121.3 124.2 127.1 129.2 129.1 127.3 122.2 124.0 123.2 120.4 116.9 113.6 105.3 98.0 98.6 96.8 97.5 97.5 95.6	127.4	136.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	103.5 108.4 111.9 114.2 117.8 122.8 124.9 126.9 128.0 128.0 127.6 124.9 127.4 126.6 125.4 124.7 124.0 123.5 122.5 119.5 118.7 119.1 119.0 116.9 116.5 112.0 112.7	133.8	137.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC		
	89.1 94.3 98.0 100.0 103.4 107.6 109.6 111.5 112.7 110.6 107.3 101.8 99.4 95.1 92.3 90.1 89.0 87.2 85.3 85.0 82.7 81.6 80.9 80.6	106.3	118.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC		
	85.3 88.9 92.9 94.0 97.1 100.7 102.4 103.8 103.6 100.5 95.2 87.7 83.6 80.0 79.0 78.9 78.2 77.9 76.6 76.0 74.1 73.1 71.4	96.0	110.1
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC		
	78.1 81.8 86.0 86.6 89.1 91.3 91.9 91.0 86.6 80.2 76.0 71.1 71.9 71.5 71.7 71.0 70.8 70.3 69.2 68.0 66.3 64.0	82.6	98.3
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC		
	69.1 72.0 74.8 75.1 77.8 81.5 80.2 79.8 76.9 69.1 65.5 65.2 67.0 66.3 66.1 65.2 64.8 63.6 62.2 60.4	74.3	87.6
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC		
	67.7 68.4 69.9 71.4 69.9 66.8 64.2 63.5 64.1 62.8 62.7 62.0 60.9 59.4 58.0 56.0	70.0	77.5
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC		
	62.2 64.8 65.6 64.5 61.7 58.4 57.7 58.2 57.8 57.2 55.8 54.5 53.8 51.9 48.8	63.8	72.1
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 36 SEC		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-171

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 171
DATE 17 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	102.8	108.3	111.9	114.9	117.9	121.9	124.9	127.2	128.5	128.0	125.9	122.9	125.9	124.6	131.0	136.5
	123.1	121.7	120.7	119.8	118.9	115.9	114.9	115.1	114.9	112.6						
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	102.5	108.1	111.7	114.9	117.7	121.1	124.5	127.3	129.0	128.4	125.6	120.9	123.9	122.6	126.9	135.6
	120.3	116.5	113.1	104.7	98.0	99.1	97.1	98.0	100.1	97.1						
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	103.2	108.6	112.1	114.9	118.1	122.6	125.3	127.1	128.0	127.5	126.2	124.3	127.3	126.0	133.1	137.4
	124.9	124.0	123.3	122.8	121.9	118.9	117.9	118.1	117.9	115.5	115.0	110.5	111.2			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	89.0	94.9	98.8	101.2	103.9	107.8	110.2	111.9	112.4	109.7	105.8	101.5	100.1	95.8	106.1	118.5
	93.3	91.2	89.8	87.8	86.4	86.1	84.1	83.1		82.6						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	86.0	90.4	94.8	96.3	98.6	101.9	103.8	104.8	104.2	101.1	95.1	88.9	86.2	83.9	97.0	111.1
	82.4	80.7	80.0	79.7	78.6	77.7	76.1	75.1	74.8	73.4						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	79.6	84.7	89.6	91.2	93.9	96.3	97.6	97.2	94.5	89.0	83.9	77.0	76.3	75.6	88.4	103.9
	75.0	75.2	75.2	74.5	73.4	72.1	70.7	68.5	67.9	66.1						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	72.5	76.6	81.0	83.9	86.4	89.1	90.2	90.1	87.1	78.1	69.9	66.8	68.3	68.7	80.6	96.4
	68.6	68.5	68.0	66.7	65.5	63.9	61.6	59.0								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC						
			72.9	74.5	74.9	77.1	76.9	76.9	74.3	67.8	62.9	61.4	62.5	61.9	69.9	84.3
	61.8	61.0	59.8	58.5		54.9										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC						
				62.1	62.6	64.3	64.3	65.2	63.3	59.3	56.7	55.7	56.5	56.0	62.8	72.3
	55.7	54.2	53.1	52.4	51.1	48.1										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 33 SEC						
										59.3	55.8	51.4	50.2	50.3	52.0	50.7
	49.7	49.7														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-172

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 172
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL	OASPL
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		(DBA)	(DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	94.7	98.2	101.4	104.1	109.1	110.8	115.0	118.7	120.4	117.2	116.5	113.8	109.9	108.1		120.0	126.5
	108.1	107.9	107.0	106.9	107.4	109.0	108.4	108.3	106.5	105.9	104.9	102.6	101.2				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	94.8	98.4	101.7	104.4	109.2	110.8	115.5	119.9	122.3	119.4	119.2	116.6	110.5	103.1		119.5	127.7
	98.2	95.6	97.3	100.1	105.1	107.4	108.5	108.8	104.7	105.6	102.6	102.4	96.9				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	94.6	98.0	101.0	103.7	108.9	110.9	114.5	117.1	117.1	112.3	107.8	104.8	109.3	110.3		120.5	124.7
	110.9	110.8	109.8	109.5	108.9	110.1	108.2	107.8	107.8	106.2	106.5	102.7	103.3				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	90.1	94.8	98.2	100.5	106.0	109.2	113.2	116.2	114.8	106.4	96.6	93.9	97.8	101.2		113.5	121.2
	104.4	106.0	106.0	102.0	102.0	103.0	99.5	97.8	96.7	95.0	92.1	89.5	85.8				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	82.7	89.4	93.2	96.3	101.4	104.0	107.4	108.9	104.3	91.6	82.5	90.4	96.3	100.7		110.1	115.1
	104.6	104.2	101.0	98.7	99.2	97.6	96.0	93.5		91.7	88.3						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	79.6	86.1	90.4	93.5	98.0	100.3	100.5	98.0	92.9	78.6	77.5	87.6	93.9	95.4		101.1	107.6
	94.9	94.8	91.9	88.7	90.2	88.1	86.2	84.2									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	77.4	85.3	89.3	91.9	94.2	93.0	93.9	90.2	85.2	77.6	79.2	87.9	92.1	95.7		98.4	103.5
	92.8	90.3	86.5	88.2	86.3	83.4	80.7	77.1	72.3	69.9							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	76.7	82.5	86.2	86.7	87.6	87.3	85.4	85.1	82.2	74.4	72.4	78.9	82.2	82.2		87.4	95.9
	81.7	79.9	77.5	76.7	75.3	72.5	69.5	65.8									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	73.2	78.1	80.5	81.6	79.3	76.0	80.5	80.7	75.7	70.9	69.2	76.2	77.7	76.7		81.7	90.0
	76.0	74.0	71.7	70.4	68.7	64.9											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	71.4	75.1	76.7	77.7	76.7	73.9	74.9	77.7	76.1	69.3	67.9	73.0	75.7	75.4		79.6	87.2
	74.1	72.2	70.1	68.2	66.3	61.8											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	71.7	73.6	76.4	79.8	77.9	76.4	77.9	78.6	76.1	70.2	70.6	76.5	78.5	78.4		82.0	88.8
	76.2	74.3	71.6	69.5	67.0	62.5											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	70.0	72.2	74.8	79.4	77.5	77.2	76.4	77.8	76.2	69.5	70.3	75.9	77.8	76.5		80.1	87.9
	74.0	70.7	69.2	67.1	63.6	60.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-173

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 173
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	95.1	98.3	101.4	103.7	108.8	111.2	115.3	118.7	120.5	117.1	116.1	112.9	108.7	107.7	119.5	126.3
	108.1	107.6	106.8	106.5	107.6	108.6	107.8	107.4	105.5	105.0	103.7	101.3	100.2			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	95.2	98.6	101.7	104.2	109.1	111.2	115.9	120.0	122.5	119.4	118.9	115.5	108.1	101.4	119.0	127.7
	98.4	95.6	97.7	101.0	105.6	107.2	108.3	107.7	103.3	104.6	100.2	100.7	95.4			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	94.9	97.9	101.0	103.3	108.6	111.1	114.6	116.8	116.9	111.6	106.0	104.6	109.1	110.2	120.0	124.3
	110.8	110.5	109.6	108.8	109.0	109.7	107.2	107.1	107.0	105.4	105.6	101.8	102.4			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 38 SEC	
	90.8	94.5	98.4	100.5	106.4	110.2	114.2	116.9	115.1	105.7	95.8	94.8	100.0	104.1	113.9	121.9
	107.1	107.1	104.4	102.3	103.8	101.4	99.8	97.1		93.7	90.3	87.8	84.2			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	83.6	88.7	92.9	95.6	101.5	104.7	107.8	108.1	102.7	91.1	82.4	91.4	97.4	100.6	105.5	113.8
	101.0	98.2	97.6	95.0	94.9											
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	78.6	84.4	88.9	92.0	97.3	100.0	100.5	98.8	91.5	75.7	76.2	87.5	93.9	95.1	98.9	107.0
	93.8	91.1	87.9	87.2	86.3	83.5	81.0	79.5								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	76.4	83.3	87.6	90.4	94.6	95.0	94.4	85.2	77.6	69.2	69.7	78.5	82.4	84.5	90.7	101.0
	85.5	84.3	80.9	79.4	79.6	76.8	73.7	70.7								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	75.8	81.4	85.5	86.5	88.5	84.5	80.8	80.4	80.9	73.8	72.3	78.2	82.9	83.1	87.1	95.0
	81.9	79.8	74.8	75.6	74.9	71.0	70.7									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	75.9	80.3	82.3	80.7	78.1	76.8	79.2	84.0	83.3	75.5	74.4	81.5	85.3	84.0	87.4	93.1
	81.6	77.6	77.2	76.7	73.7											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	73.1	76.6	78.4	76.4	77.2	74.7	74.6	78.3	78.7	69.6	66.4	75.1	79.0	77.5	81.0	88.2
	75.3	71.4	70.4	70.8	68.7											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	71.5	74.8	75.2	73.9	77.2	75.4	74.3	75.8	73.2	65.3	66.5	73.7	77.3	76.0	79.3	86.3
	73.2	69.8	69.1	67.5	64.2	63.1										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	70.7	72.4	71.9	71.4	76.8	74.7	72.2	70.7	69.5	65.3	66.0	74.3	77.0	74.0	77.8	84.7
	71.1	67.0	66.8	65.0	61.9	59.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-174

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 174
DATE 17 SEP 80
C-135 IDLE TAXI

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	94.4	98.2	101.4	103.3	108.9	110.8	115.4	119.0	120.3	117.3	116.0	112.7	108.8	107.6		119.6	126.3
	108.0	107.8	107.3	106.7	107.1	108.4	107.7	107.9	105.7	105.4	103.8	101.6	100.2				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	94.6	98.5	101.8	103.7	109.2	110.9	116.0	120.3	122.3	119.6	118.8	115.4	108.5	101.8		119.2	127.7
	98.6	96.2	98.1	101.1	105.4	107.4	108.2	108.6	104.0	105.5	101.1	101.5	95.9				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	94.1	97.9	101.0	102.7	108.6	110.8	114.6	117.0	116.6	111.8	106.1	104.4	109.1	110.0		120.0	124.3
	110.8	110.7	110.0	109.0	108.4	109.2	107.1	106.9	106.9	105.3	105.5	101.7	102.3				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 26 SEC		
	90.1	94.4	98.0	99.7	106.2	109.5	113.9	116.7	114.8	105.9	96.0	93.7	99.2	103.4		113.7	121.6
	106.9	107.5	105.3	101.9	102.8	100.4	99.0	96.0	94.1	92.6	89.3	86.3	82.4				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	82.1	88.8	92.8	94.9	101.4	104.0	107.5	108.4	102.8	90.9	80.7	87.4	94.0	99.1		107.7	114.1
	102.0	100.8	99.2	95.9	97.5	95.1	93.1	90.9	90.3	87.8	84.5	84.4					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	78.1	84.9	89.3	92.1	98.4	100.3	101.2	98.7	91.7	76.0	79.4	91.1	97.3	97.0		100.7	107.9
	94.2	92.8	89.6	89.2	88.0	85.4	83.4	81.6									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 2 SEC		
	76.0	83.4	87.2	89.3	93.8	93.0	92.6	86.5	77.7	71.1	72.2	80.7	84.6	89.2		92.0	100.3
	86.8	84.5	80.4	79.6	80.1	76.6	74.0	70.3									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	75.7	82.9	86.5	86.9	89.2	85.7	83.7	78.8	78.8	74.6	71.0	77.8	81.2	80.9		86.3	95.4
	81.5	79.7	75.3	74.5	74.2	70.8	67.7	64.0									
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	73.9	78.8	79.1	75.3	82.2	81.6	81.6	82.9	81.4	73.5	74.1	82.7	85.1	82.3		86.3	92.9
	79.5	75.6	76.1	73.8	69.8	66.0	61.3										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	72.1	76.0	75.2	75.6	82.4	80.0	79.5	82.2	78.1	68.9	72.9	78.9	81.6	80.1		83.5	90.7
	77.1	73.5	73.2	70.8	67.8	62.9											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	68.4	72.9	72.4	75.1	80.3	77.7	78.2	78.8	76.9	68.7	70.0	74.9	78.3	76.5		79.9	88.1
	73.7	70.0	68.3	66.5	63.4	59.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-175

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 175
DATE 17 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	102.8	108.6	112.4	114.7	118.6	122.9	125.7	127.7	129.6	129.1	126.7	123.4	126.9	126.1		131.3	137.3
	124.0	121.8	119.5	117.5	116.8	115.7	115.7	116.5	115.7	113.0	112.7	109.3	108.7				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	102.7	108.5	112.4	114.9	118.7	122.6	125.9	128.6	131.0	130.5	127.8	123.7	127.0	126.0		130.2	137.7
	122.2	114.3	105.9	109.2	112.5	114.3	115.0	116.3	115.2	111.5	111.8	108.7	107.8				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	103.0	108.7	112.4	114.5	118.5	123.2	125.4	126.7	127.6	127.0	125.3	123.0	126.7	126.1		132.2	136.9
	125.3	124.4	122.5	120.2	118.9	116.7	116.4	116.8	116.2	114.1	113.5	109.8	109.4				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	89.8	95.9	100.1	102.2	105.7	110.8	112.2	113.6	114.0	109.9	102.2	93.0	98.3	100.4		113.4	120.6
	102.7	104.4	105.6	105.0	102.9	101.2	99.1	97.7	96.9	96.3	92.4	91.8					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	88.1	93.1	98.2	100.3	103.5	108.1	109.3	110.2	107.9	101.6	91.3	87.8	93.9	97.4		109.7	116.6
	100.3	102.5	103.2	101.1	97.4	96.7	95.6	93.0	91.0	89.2	84.8						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	80.6	85.8	90.6	92.9	96.7	100.3	101.6	99.9	94.2	82.7	75.3	76.6	82.5	86.0		97.9	107.2
	88.4	90.3	90.9	90.3	87.3	84.9	82.6	79.9	77.5	76.1							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	75.5	80.6	85.2	88.3	90.8	94.6	95.8	92.7	85.8	73.1		72.5	78.4	82.4		90.6	101.0
	84.7	83.8	82.8	81.7	78.0	75.2	72.9	69.5									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	72.7	77.8	82.7	84.6	87.4	88.8	87.1	81.1	75.8	70.9	68.4	69.9	72.3	73.7		84.2	94.5
	76.7	77.7	77.5	75.8	73.2	69.5	65.2	59.7									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	70.0	75.1	78.9	80.9	82.5	83.5	82.6	77.7	73.2	68.8	64.5	66.9	71.5	74.7		80.8	90.3
	75.9	74.9	73.1	70.1	67.0	63.2	56.8										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	65.3	71.0	75.4	77.1	78.8	78.9	76.3	72.9	66.9	60.1	62.2	63.8	67.4	68.9		74.8	85.6
	68.8	68.3	67.2	64.7	61.4	56.8											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	69.1	74.7	78.7	79.6	79.9	79.3	75.6	71.6	69.6	64.2	61.6	65.9	70.4	72.6		74.3	87.0
	71.8				61.5												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-176

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 176
DATE 17 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	103.7	109.0	112.5	114.8	118.6	122.6	125.1	127.6	129.3	128.7	126.4	123.0	126.5	126.0		131.4	137.1
	124.0	122.1	120.1	118.1	117.3	116.0	115.8	116.6	115.9	113.2	113.0	109.4	109.0				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	103.5	108.9	112.5	115.0	118.7	122.1	125.3	128.4	130.6	130.0	127.3	123.2	126.4	125.7		129.8	137.3
	122.0	114.3	105.6	109.0	112.3	113.8	114.5	116.1	114.9	111.3	111.7	108.4	107.4				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	104.0	109.1	112.6	114.7	118.5	123.0	124.9	126.6	127.5	126.8	125.2	122.9	126.6	126.3		132.5	136.9
	125.4	124.7	123.0	120.8	119.6	117.4	116.8	117.0	116.7	114.5	114.0	110.1	110.3				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	90.8	96.0	100.2	102.1	105.6	110.0	111.6	113.5	114.1	110.4	103.1	92.9	97.9	100.5		114.0	120.6
	102.6	104.4	105.9	106.2	104.2	101.5	99.9	98.9	97.9	97.3	93.2	91.9	90.8				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	89.6	94.1	99.0	100.8	103.7	108.1	109.2	110.3	108.5	101.6	90.5	90.2	97.4	101.2		112.6	117.6
	103.9	106.0	106.6	103.4	100.8	100.2	97.7	95.8	93.5	92.1	87.7	87.2					
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	82.1	87.1	92.5	94.6	98.0	101.2	101.9	99.8	94.6	88.2	79.9	80.5	88.0	91.9		101.5	108.4
	93.8	94.2	94.4	92.9	91.0	89.1	86.6	83.5	80.7	77.6							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	77.5	81.9	87.1	90.5	93.2	96.5	97.1	94.3	86.9	73.2	73.6	77.2	82.6	86.3		96.1	103.3
	88.9	90.9	90.5	86.8	82.3	79.0	76.7	73.3									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	74.7	79.3	84.4	87.0	89.5	90.3	88.1	82.6	75.9	70.5	68.9	71.6	75.8	78.5		86.5	96.3
	80.8	81.2	80.0	75.7	72.7	70.0	65.4	60.5									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	72.2	76.0	80.0	82.4	83.5	83.6	81.5	78.1	73.9	69.6	66.0	65.7	70.4	72.5		80.2	90.6
	73.6	74.0	73.2	71.2	67.9	63.9	57.5										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	68.4	73.2	78.1	80.2	81.1	80.1	76.5	73.0	69.5	63.0	64.8	68.3	73.1	73.9		79.0	88.0
	74.2	73.7	70.6	66.7	62.8	58.1											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	69.4	74.2	78.1	79.5	80.0	78.0	73.2	72.0	69.4	65.0	60.7	62.5	66.8	67.9		71.2	86.3
	68.7				60.5												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-177

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 177
DATE 17 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
'	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	103.6	108.7	112.8	114.4	118.2	122.2	124.5	127.0	128.4	128.1	125.6	122.6	126.3	125.8	131.2	136.6
	123.7	122.1	120.8	119.2	117.4	115.3	115.3	116.3	115.7	112.8	112.6	109.0	108.6			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	103.3	108.6	112.8	114.4	118.3	121.7	124.5	127.6	129.6	129.3	126.4	122.5	125.8	125.1	129.0	136.5
	121.1	113.8	104.7	106.6	109.9	111.8	113.0	115.1	114.4	110.0	110.8	107.3	106.5			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	103.9	108.8	112.8	114.3	118.2	122.6	124.4	126.2	126.8	126.4	124.7	122.7	126.7	126.4	132.7	136.7
	125.3	124.8	123.8	122.1	120.0	117.2	116.8	117.3	116.7	114.4	113.9	110.2	110.1			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	90.2	95.6	99.9	101.1	104.7	109.1	110.5	112.1	112.7	109.3	102.5	90.2	95.4	98.0	110.4	119.0
	99.3	100.1	101.0	101.4	100.6	99.1	96.1	95.3		93.3	89.1	89.2				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	89.6	93.8	98.6	99.3	102.8	107.5	108.4	109.3	107.7	102.1	91.1	87.8	92.7	95.7	107.3	115.7
	96.7	98.6	99.8	98.8	96.7	95.3	93.2	91.2		87.2	82.7					
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	81.6	86.4	91.9	92.7	96.0	99.8	100.5	99.2	93.9	81.8	74.9	76.9	83.5	86.3	98.3	106.6
	88.8	90.6	91.4	90.7	87.8	85.0	84.3	80.0	77.7	74.5						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	76.1	80.8	86.7	88.7	91.3	95.0	95.0	92.7	84.7	75.1		71.6	77.1	80.7	90.9	101.0
	82.8	84.1	84.9	82.6	79.3	74.9	72.3	68.1								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	74.2	78.6	84.3	85.1	87.7	89.0	86.0	81.2	77.0	72.5	68.2	70.6	75.3	78.9	86.3	95.1
	80.5	81.4	79.5	76.2	72.0	69.5	66.4	59.5								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	72.2	75.5	80.4	81.6	82.8	82.8	80.3	76.2	72.0	67.6	62.2	67.2	73.5	74.6	80.9	90.1
	75.4	75.7	73.8	69.9	66.5	63.0										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 20 SEC	
	66.4	72.7	78.2	78.9	80.2	80.0	77.1	73.0	65.3	59.0	61.9	66.0	70.5	71.8	77.4	87.2
	72.7	72.2	69.7	65.2	60.9	57.2										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	68.6	74.2	79.1	79.4	80.5	79.1	73.9	72.1	68.9	62.5	60.5	65.1	68.8	71.1	73.4	86.9
	71.2				61.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-178

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 178 DATE 17 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 103.9 108.7 112.5 115.1 118.7 122.1 125.0 127.3 128.8 128.4 126.1 122.3 125.9 125.5 123.4 121.7 120.2 118.6 117.4 115.3 115.3 116.1 115.5 112.4 112.5 108.8 108.6	131.0	136.7
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 103.7 108.6 112.5 115.2 118.7 121.6 125.1 128.0 130.0 129.6 126.8 122.1 125.4 124.8 121.0 113.4 104.1 107.0 110.3 112.2 113.3 115.0 114.2 109.9 110.8 107.4 106.6	128.9	136.7
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 104.2 108.7 112.5 114.9 118.6 122.5 125.0 126.4 127.2 126.8 125.2 122.5 126.4 126.1 124.9 124.4 123.2 121.5 119.9 117.1 116.7 117.0 116.5 114.0 113.8 109.8 109.9	132.4	136.7
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 90.6 96.0 100.0 102.1 105.2 109.1 111.3 112.8 113.3 109.8 102.8 90.3 96.6 99.2 99.5 100.0 101.2 101.8 101.3 99.8 97.0 96.1 94.8 94.2 91.1 90.1	111.1	119.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC 87.0 91.4 96.1 97.8 100.7 104.6 106.1 106.8 105.4 100.1 89.0 83.2 88.6 91.4 93.1 95.2 97.3 98.4 96.8 94.3 92.5 89.9 88.2 87.0 83.5	105.7	113.4
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 33 SEC 81.5 86.5 91.4 93.3 96.7 99.9 101.1 99.7 95.2 82.0 75.1 75.7 82.3 85.4 87.2 88.2 89.1 89.1 87.8 85.1 82.8 80.3 77.3 74.6	97.1	106.9
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC 76.2 80.7 86.0 88.9 91.1 95.0 96.2 93.4 86.5 72.9 71.5 76.3 80.5 82.1 83.4 83.3 81.8 79.6 76.2 73.3 68.8	90.4	101.4
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 26 SEC 75.4 79.3 84.9 86.5 89.0 89.9 87.5 81.4 75.7 71.7 68.1 73.0 79.9 82.5 83.2 82.1 79.5 75.9 73.6 71.2 66.9 61.1	87.8	96.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 71.0 75.1 79.8 81.6 82.7 82.9 81.8 76.5 70.4 65.3 59.8 64.8 70.2 73.1 75.0 75.4 72.5 68.5 65.5 62.5 56.0	80.1	90.0
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 35 SEC 66.9 71.9 77.1 78.4 79.1 79.1 76.7 72.3 67.3 58.5 57.7 61.6 67.2 69.9 71.4 71.3 69.6 65.2 60.4 56.4	76.4	86.4
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC 69.3 73.9 78.3 79.1 79.1 77.4 75.5 72.6 68.8 61.3 57.1 61.2 66.6 68.3 68.7 60.3	71.2	86.0

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-179

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 179
DATE 17 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	103.6	108.6	112.0	114.5	118.0	121.9	124.3	126.7	128.1	127.3	125.4	122.2	125.6	124.9		130.5	136.1
	122.9	121.1	119.8	118.3	116.9	114.8	114.8	115.8	115.0	112.5	112.3	108.7	108.7				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	103.5	108.6	112.0	114.6	118.1	121.4	124.4	127.3	129.3	128.6	126.2	122.1	125.3	124.4		128.5	136.1
	120.4	113.0	104.4	106.8	110.1	111.8	112.7	114.6	113.8	110.3	110.5	107.4	106.5				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	103.7	108.6	111.9	114.3	117.9	122.4	124.2	125.9	126.5	125.6	124.3	122.2	125.9	125.3		131.9	136.1
	124.5	123.8	122.8	121.1	119.4	116.5	116.3	116.7	116.0	114.0	113.6	109.7	110.1				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	90.6	95.7	99.2	101.3	104.5	108.7	110.2	111.7	112.1	108.5	102.2	90.6	95.5	96.9		110.0	118.5
	97.6	99.0	100.6	100.8	100.2	99.9	96.3	94.4	94.4	92.8	89.8	88.7					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	86.9	91.1	95.3	96.8	99.9	103.9	104.8	105.6	104.3	98.5	87.3	82.4	86.9	89.9		103.0	112.1
	91.3	93.5	95.1	95.3	93.0	90.9	88.9	86.9	85.2	82.6	78.6						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 28 SEC		
	81.4	85.8	90.6	92.3	95.4	98.8	99.4	98.5	93.9	82.3	75.3	74.5	80.0	82.3		94.2	105.4
	83.3	83.8	84.6	85.7	85.4	83.4	81.0	77.2		72.0							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	75.9	80.2	85.3	88.2	90.4	93.9	94.1	92.4	85.1	71.9		69.7	73.7	76.2		87.8	100.0
	77.7	78.7	80.5	80.4	78.1	73.6	70.1	65.9									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	73.5	77.5	82.6	84.2	87.0	88.3	85.9	80.9	74.6	69.5	64.8	66.9	69.9	72.1		82.3	93.9
	74.4	75.5	75.5	74.3	71.8	67.5	62.9	57.6									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	69.6	73.3	76.9	78.6	80.4	81.0	79.7	75.9	68.8	62.5	58.6	60.5	63.8	66.6		75.7	87.5
	69.3	69.4	69.2	66.6	63.6	59.5											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	67.6	73.1	78.0	79.5	81.0	81.7	78.0	75.0	67.1	58.0	60.9	64.6	68.9	70.3		76.2	87.9
	71.0	70.2	68.3	65.1	62.1	57.8											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	67.2	71.7	76.0	76.8	78.6	78.5	74.5	70.4	66.1	56.2	54.2	60.1	64.3	65.9		68.6	84.9
	66.0				57.8												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-180

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 180
DATE 17 SEP 80
C-135 RUN-UP ON RAMP

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	96.4	101.1	104.2	106.5	111.6	114.7	118.3	120.9	122.7	121.2	117.7	116.7	116.2	113.6		122.7	129.3
	112.7	111.5	110.2	111.0	111.6	109.5	110.0	110.8	110.5								
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	95.8	100.6	104.4	106.3	111.4	113..	117.9	121.1	123.7	122.2	118.9	117.2	115.9	112.0		118.8	129.2
	106.7	99.2	94.7	90.5	92.2	92.4	93.2	94.9	96.5								
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	96.9	101.5	104.1	106.7	111.8	115.4	118.6	120.7	121.5	119.7	115.8	116.1	116.4	114.8		125.4	129.6
	115.1	114.3	113.1	114.0	114.6	112.5	113.0	113.7	113.4	112.4	112.6	109.1	110.0				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	91.8	96.5	100.2	101.7	106.1	110.3	114.2	116.2	116.1	111.3	105.2	103.8	100.1	97.1		109.2	121.7
	97.6	96.7	98.3	94.1	93.3	92.7	91.5	90.4	89.8	88.2	85.1	82.4					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	83.3	89.6	93.5	95.1	99.2	103.5	107.0	108.7	107.5	101.4	93.5	90.4	89.5	89.6		102.8	113.9
	90.8	91.4	91.9	91.2	90.6	90.3	89.4	88.7	87.0	86.2	82.5	81.0					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	76.7	82.3	86.2	87.8	91.6	96.4	99.2	99.2	95.3	83.8	74.1	75.0	76.7	79.0		91.7	104.5
	79.8	80.1	81.2	80.9	81.2	81.1	82.2										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	71.4	76.4	80.1	81.4	84.7	88.1	91.6	91.7	87.7	77.4	67.5	67.2	68.6	70.4		83.8	97.0
	72.7	73.4	73.9	73.2	72.7	71.8	69.1	66.5	63.7								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC		
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC		
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-181

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 181
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	95.9	101.9	104.2	107.8	112.2	116.0	118.5	121.8	123.8	122.6	118.6	116.2	116.5	113.9		123.2	130.0
	111.9	111.1	110.5	111.5	111.7	109.5	109.9	110.8	110.3	109.3							
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	95.3	101.5	104.5	107.8	112.1	115.2	118.4	122.3	125.1	124.0	120.2	117.3	117.0	112.9		120.1	130.5
	106.4	99.2	96.1	92.9	94.9	95.6	96.4	99.2	101.0	99.5							
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	96.4	102.3	104.0	107.8	112.2	116.6	118.6	121.2	122.0	120.5	115.8	114.6	115.9	114.6		125.3	129.7
	114.2	113.9	113.4	114.4	114.6	112.5	112.9	113.7	113.0	112.1	112.2	109.0	109.5				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	91.7	97.0	100.1	102.8	106.8	111.9	114.5	117.1	117.0	112.4	105.1	102.7	98.9	96.2		110.6	122.6
	97.7	97.9	98.7	97.4	97.2	96.8	95.6	94.2	94.3	91.8	88.8	86.8	83.5				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	82.9	89.6	93.0	95.6	99.5	104.3	106.4	108.7	107.7	102.0	92.3	87.2	87.1	87.5		100.8	113.9
	88.2	87.6	87.3	87.0	86.8	87.1	86.4	85.6	85.0	83.3	80.3						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	76.7	83.0	86.3	88.8	92.3	97.3	98.9	99.7	95.9	83.3	72.9	75.2	78.2	79.5		91.9	104.9
	80.3	80.7	81.5	81.0	81.0	80.8	81.9										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 28 SEC		
	71.7	77.6	80.6	82.8	86.2	90.2	92.0	92.4	88.0	76.0	64.1	65.2	68.0	70.3		84.8	97.8
	72.1	73.1	74.3	75.0	74.9	73.8	71.2	69.1									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	66.4	71.1	73.7	74.7	77.7	81.0	81.8	81.2	76.7	67.4	59.9	60.9	61.8	62.1		73.1	87.8
	63.2	63.1	63.2	62.2	61.0	58.9	55.2										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 28 SEC		
		64.4	65.8	65.9	69.0	71.3	68.4	68.2	63.7	57.5		55.3	56.7	57.6		65.5	76.7
	58.2	58.2	57.8	56.4	54.5	51.1											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC		
		61.9	63.3	62.0		66.8					54.5					62.9	72.7
	55.8	56.2	55.8	55.1	52.5	49.8											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	59.5	61.3	62.8			66.5	63.6	63.2	61.5		52.4		54.5	55.2		62.6	71.1
	55.3	55.4	55.2	54.0	51.3												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC		
			60.3				62.1	60.7									

TABLE SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-182

STATION : WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 182
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	96.3	101.4	104.8	108.0	111.6	115.5	118.5	121.4	123.4	122.1	118.3	116.3	116.6	113.9		122.8	129.7
	112.0	111.2	110.3	111.1	111.3	109.2	109.7	110.8	110.5								
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	95.8	101.0	105.0	107.9	111.5	114.6	118.3	121.8	124.6	123.4	119.8	117.2	116.9	112.9		119.8	130.0
	106.7	99.6	96.2	92.2	93.9	94.9	96.2	99.0	102.6								
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	96.8	101.7	104.5	108.1	111.7	116.3	118.7	120.9	121.9	120.2	115.8	115.2	116.4	114.8		125.2	129.7
	114.3	114.0	113.3	114.1	114.3	112.1	112.7	113.6	113.1	112.3	112.4	109.3	109.8				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	92.0	96.6	100.6	102.9	106.2	111.3	114.5	116.6	116.8	111.9	105.2	103.5	100.0	96.9		110.0	122.3
	97.5	96.8	98.2	95.7	95.4	95.2	94.2	93.2	94.4	91.3	88.3	86.6	85.0				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	83.7	89.7	94.2	96.4	99.5	104.5	107.2	109.0	107.9	101.4	91.4	87.0	87.0	87.2		101.6	114.2
	88.6	89.3	89.6	89.1	88.7	88.3	87.6	87.3	85.9								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	77.8	83.4	88.2	90.4	93.4	98.6	100.7	100.5	95.6	81.0	74.9	76.0	78.6	79.4		94.1	106.0
	81.0	83.3	84.6	84.1	83.8	83.7	83.0	81.6									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	73.1	78.8	83.3	85.0	87.9	92.0	94.1	93.4	88.5	76.1	65.4	67.4	69.8	70.5		85.2	99.3
	72.9	74.2	74.9	74.5	74.1	73.6	71.4	68.6	65.7								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	68.3	71.4	75.9	77.0	79.5	82.9	84.0	81.8	76.2	66.7	61.2	62.1	63.1	63.4		74.5	89.4
	64.7	65.0	64.7	64.1	62.8	60.9	57.1	54.5									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
		65.5	68.5	68.3	70.6	73.8	72.7	71.3	65.2	58.5		56.6	57.9	59.0		67.5	79.5
	60.1	59.9	59.9	58.4	56.3	53.3											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	59.4	62.1	64.8	64.5	65.6	67.1	67.4	67.7	65.2	61.9	56.7	57.3	57.6	58.8		65.7	75.5
	58.4	58.1	57.8	56.4	53.7	50.5											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	63.0	63.5	64.5	63.4	67.5	66.2	66.8	66.3	63.6		55.7	57.0	56.6	57.5		64.7	73.8
	57.9	57.5	56.9	55.5	53.7	51.5											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC							
			61.1	63.1		66.2	67.2	65.3	63.7				54.8	55.5		63.1	73.5
	55.9	56.1	55.6	53.8													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-183

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 183
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 96.5 101.6 104.6 107.5 111.7 115.4 119.0 121.5 123.6 122.1 118.6 116.0 116.2 113.: 111.1 110.3 109.9 111.0 111.3 108.9 109.1 110.0 109.4 108.3 108.6	122.8	129.8
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 96.0 101.2 104.9 107.4 111.7 114.6 118.9 122.0 124.8 123.5 120.2 117.0 116.7 112.3 106.0 98.7 95.4 92.5 94.7 95.6 96.9 99.3 101.3 99.5 100.0	119.8	130.2
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 96.9 101.9 104.3 107.5 111.8 116.1 119.1 121.0 122.0 120.1 116.0 114.7 115.7 113.8 113.4 113.1 112.8 113.9 114.3 111.8 112.0 112.8 112.0 111.0 111.3 108.0 108.5	124.6	129.5
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 92.5 96.8 100.5 102.8 106.6 111.6 115.5 117.2 117.3 111.9 104.9 101.5 98.3 97.7 99.3 99.1 99.8 99.0 99.3 98.9 97.8 96.7 96.6 94.6 91.7 89.5 86.7	111.5	122.8
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 83.9 89.4 93.4 95.7 99.4 104.2 107.5 108.8 107.9 101.5 92.2 86.9 86.2 86.4 88.1 88.2 89.3 89.4 89.4 89.1 88.7 88.3 87.2 86.4 82.8	101.9	114.2
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 30 SEC 77.9 83.4 87.4 89.7 92.9 98.0 100.8 100.2 95.4 80.8 74.3 77.6 78.9 80.9 84.1 85.9 87.6 87.8 87.4 86.6 85.9 84.6	96.4	106.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 29 SEC 73.1 78.4 82.2 84.2 87.2 91.6 94.5 93.9 89.0 76.2 67.3 67.4 69.1 70.7 73.0 73.7 74.0 73.8 73.7 72.6 70.2 67.2	85.0	99.4
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC 70.7 74.6 76.2 78.3 81.9 83.7 82.7 79.4 69.3 62.7 62.9 63.3 63.8 64.7 64.3 63.9 63.5 62.1 60.0 56.4	74.6	89.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC 61.0 64.3 66.2 67.4 68.0 69.7 71.1 70.8 66.4 58.4 57.0 58.5 59.5 60.3 60.4 60.1 58.7 56.5 53.4	67.6	77.5
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 33 SEC 62.6 64.1 63.7 67.3 67.1 68.9 68.4 67.2 57.4 58.6 57.4 59.2 58.2 57.8 57.6 56.4 53.6 50.6	65.1	74.7
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 33 SEC 63.6 63.1 66.4 66.5 65.5 63.8 54.4 55.8 56.3 56.4 56.1 55.9 54.6 53.2 51.0	63.7	72.4
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 33 SEC 61.2 64.9 63.7 63.1 54.6 54.3 54.6 54.2 54.1 53.7 52.5 51.2	61.5	70.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-185

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 185
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	96.1	101.4	104.4	107.0	111.6	115.5	118.4	121.2	123.1	122.0	118.3	116.0	116.5	113.6	123.0	129.6
	111.8	111.1	110.4	111.3	111.5	109.5	109.9	110.9	110.3	109.2						
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	95.5	101.0	104.7	106.9	111.5	114.6	118.3	121.6	124.2	123.3	119.8	116.9	116.9	112.8	119.6	129.8
	107.0	100.3	97.1	92.9	93.8	94.1	94.7	96.7	98.0	97.5						
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	96.6	101.8	104.1	107.1	111.7	116.2	118.6	120.8	121.6	120.1	115.9	114.8	116.1	114.4	125.3	129.5
	114.0	113.9	113.3	114.3	114.5	112.4	112.8	113.8	113.1	112.1	112.4	109.3	109.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	91.5	96.8	100.5	102.1	106.4	111.4	114.7	116.7	116.7	112.0	105.1	102.8	98.9	96.0	110.8	122.3
	97.3	97.1	98.3	97.2	97.6	97.8	97.3	96.8	95.8	95.1	92.6	90.7	87.7			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	83.3	89.4	93.4	94.9	99.2	104.2	107.0	108.8	107.7	101.5	91.8	86.3	86.2	87.1	102.5	114.0
	88.6	89.3	89.9	90.6	91.3	90.9	90.1	89.3	87.3	86.4	84.2	81.8				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	76.8	82.2	86.3	87.8	91.7	96.8	99.0	99.0	94.3	80.6	71.3	71.4	73.3	74.9	89.9	104.3
	76.0	77.4	79.1	78.8	79.2	79.3										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	71.9	77.6	81.3	82.3	86.1	90.2	92.5	92.0	87.4	75.7	66.0	65.3	66.7	68.0	82.5	97.7
	70.2	70.1	70.9	70.5	70.4	69.5	66.9	64.4								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC						
		69.0	72.4	73.6	76.9	80.2	82.2	81.4	76.9	68.4	61.0	62.0	63.1	63.7	73.7	87.6
	64.3	64.0	63.8	63.1	61.9	59.7	56.1									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
			64.4	66.0	69.3	71.5		68.4	64.3			55.9	57.6	59.5	66.6	75.8
	59.3	59.5	59.2	57.8	55.6	52.4										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	58.9	63.9	64.0			66.6	66.7			64.4		55.9		56.0	56.8	64.1	72.7
	56.6	56.8	56.5	55.6	53.1	50.3										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 30 SEC						
								64.9	62.2			53.8		53.5	54.2	61.1	69.4
	54.1	53.8	53.2	51.7	49.5	47.4										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC						
								62.3	60.3			52.9		52.4		
	52.4	52.2	52.0	50.7												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-186

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 186
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	96.2	101.6	104.8	107.5	111.6	115.6	118.5	121.3	123.5	122.0	118.4	116.1	116.4	113.7		122.6	129.7
	111.8	110.8	110.1	111.4	111.9	109.7	110.2	111.1									
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	95.6	101.3	105.0	107.5	111.6	114.8	118.4	121.8	124.7	123.3	120.0	116.9	116.6	112.6		119.5	130.0
	106.9	99.8	95.8	91.1	91.4	91.4	92.5	94.5									
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	96.8	101.9	104.5	107.5	111.7	116.2	118.6	120.9	121.9	120.1	116.1	115.0	116.1	114.6		125.5	129.7
	114.0	113.7	113.0	114.4	114.9	112.7	113.1	114.1	113.5	112.6	112.7	109.5	110.1				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	91.8	96.9	100.9	102.6	106.7	111.6	115.0	116.8	117.0	112.0	105.4	103.4	100.0	96.9		109.8	122.5
	97.3	96.7	97.4	95.6	95.1	94.1	92.5	91.2	89.6	88.4	85.4	82.7					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	83.5	89.9	94.2	95.8	99.8	104.5	107.6	109.1	108.2	101.8	92.4	87.3	87.4	87.5		102.1	114.4
	88.3	88.6	89.2	89.4	89.7	89.6	89.1	88.5	86.9	85.5	81.9						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	77.5	83.2	87.7	89.4	93.5	98.5	101.1	100.8	96.4	82.0	75.4	76.2	79.1	80.8		94.5	106.3
	82.8	83.1	84.3	84.5	84.8	84.6	82.4	80.6									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC		
		70.5	73.4	73.1	75.6	77.9	80.2	78.8	75.3	67.3	61.9	62.5	63.0	63.1		72.9	85.9
	64.0	63.8	63.6	62.9	61.5	59.5	56.6										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
			67.1	65.7		67.0	68.6	67.1	64.5	58.3		57.1	58.0	58.8		66.3	74.9
	59.2	59.0	58.8	57.5	55.3	51.9											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC		
		62.9	65.3	64.5	66.0	64.0	66.9	67.2	65.7			60.6	58.7	57.5	59.2	65.5	73.6
	58.6	58.4	58.0	56.7	53.9	50.5											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC		
			64.5	64.1		64.1	67.0	64.5	63.2							64.2	72.4
	57.7	57.6	57.5	55.9	53.4												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
			62.6				64.3	62.9	62.0								
	54.7	55.0	54.8	53.7													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-187

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 187
DATE 17 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	96.4	101.5	104.6	107.6	111.1	115.3	118.5	121.2	123.1	122.0	117.9	116.3	116.6	113.9		121.4	129.4
	112.2	110.6	109.4	110.3	110.7	108.6											
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	96.2	101.4	105.1	107.7	111.2	114.7	118.5	121.7	124.2	123.2	119.2	116.6	116.2	112.3		119.1	129.7
	107.1	99.6	94.5	89.1	89.1	89.2											
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	96.7	101.7	104.1	107.4	111.1	115.9	118.6	120.8	121.7	120.4	116.2	116.0	117.0	115.0		124.8	129.5
	114.5	113.4	112.3	113.3	113.7	111.6	111.4	112.8	112.7	111.5	111.4	108.2	108.8				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	92.2	97.0	100.8	102.8	106.3	111.4	114.6	116.4	116.5	112.0	105.6	104.8	102.5	99.3		109.8	122.2
	98.8	97.5	98.2	94.7	93.2	91.9	90.8	89.4		86.7	83.5	81.4					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	83.7	90.1	94.2	96.2	99.4	104.5	107.1	108.6	107.8	102.0	93.5	89.5	88.0	87.8		100.8	114.1
	88.2	87.2	87.7	87.4	86.9	86.4	85.8	85.3		82.9	79.9						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	78.0	83.8	88.0	89.8	92.7	98.0	99.9	99.3	95.0	81.2	73.5	74.8	77.8	79.0		91.3	105.1
	80.1	80.4	80.8	81.2	80.5	79.7											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	68.8	72.8	76.5	77.7	80.0	83.1	84.7	83.9	80.1	70.3	64.5	65.1	65.2	65.2		75.9	90.5
	65.9	65.9	65.6	64.9	63.6	61.4	58.1	56.0									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	64.4	67.2	69.7	70.1	70.3	74.0	72.2	71.4	68.1	62.2		59.8	60.1			69.1	80.0
	61.6	62.0	61.9	60.7	58.6	55.1											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	62.8	64.4	67.7	66.5	67.4	68.8	69.1	69.1	67.2		57.5	58.2	58.2	59.9		66.8	76.9
	59.5	59.3	58.9	57.6	54.8	51.9											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	61.9	62.3	65.2	64.2	65.8	68.1	66.9	66.3	65.4	60.7			56.0	57.5		64.7	74.5
	58.0	57.8	57.5	55.6	53.2	49.5											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		
		61.2	63.2				64.9	64.1	62.6					55.9		62.4	71.6
	55.9	55.7	55.4	53.4	51.1	49.2											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-188

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 188
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	98.8	104.0	107.7	111.0	114.1	117.7	120.6	123.2	125.0	124.8	122.8	119.0	121.6	120.3	126.3	132.6
	118.4	117.1	115.2	113.3	111.8	109.9	110.3	111.0	110.3	108.1	108.2	104.0	104.3			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	98.8	104.2	107.9	111.4	114.4	117.4	121.0	124.1	126.4	126.1	123.8	119.1	121.1	119.3	124.4	132.9
	114.2	106.1	99.5	103.4	106.3	107.6	108.5	110.1	109.3	106.5	107.2	103.7	102.8			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	98.7	103.9	107.5	110.6	113.8	118.0	120.3	122.0	123.0	122.9	121.5	118.9	122.0	121.2	127.6	132.3
	120.5	120.0	118.2	116.1	114.2	111.4	111.5	111.7	111.1	109.3	109.0	104.3	105.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	90.8	96.3	100.2	102.9	105.9	109.9	112.0	113.8	114.2	110.6	103.2	89.5	94.9	97.4	111.6	120.3
	99.4	100.7	101.9	102.8	102.0	100.4	97.1	96.3	94.8	94.4	90.4	89.5				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	88.4	93.3	97.6	99.9	102.6	106.5	108.0	108.7	106.8	99.9	85.9	80.4	86.7	89.8	107.1	115.0
	93.2	97.1	100.0	100.9	96.6	94.5	92.1	91.0	89.5	87.5	85.8					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	81.6	87.4	92.4	95.2	98.5	101.6	102.0	100.2	93.4	80.0	71.3	73.6	78.5	80.0	96.9	107.8
	83.3	86.9	89.7	89.9	88.1	85.2	81.2	79.0	74.0	72.8						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	77.9	83.0	87.9	90.6	93.3	96.8	96.6	94.1	85.5	72.4	65.5	69.1	72.1	74.2	87.2	102.2
	75.5	75.9	78.3	78.4	78.7	73.5	68.0	63.5								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	73.5	79.3	84.5	85.8	89.2	90.8	87.3	80.2	70.8	65.2	61.8	67.7	72.6	73.1	86.1	95.9
	77.2	78.9	80.9	80.2	70.9	65.8	64.0	59.1								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	71.6	77.8	83.2	85.5	86.9	86.9	84.9	82.7	78.6	71.6	66.7	70.6	73.0	74.2	82.4	93.8
	76.2	76.5	76.1	72.2	66.8	62.8	57.7	49.8								
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	67.7	75.7	81.9	82.3	82.5	79.7	80.3	80.2	82.4	71.6	72.1	75.7	79.9	80.5	85.1	92.0
	81.6	78.5	74.8	71.4	69.5	66.0										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	74.8	78.1	77.7	75.0	78.4	86.3	91.5	89.2	82.9	77.4	81.0	87.4	89.3	87.8	90.9	97.7
	84.8	82.4		78.0	74.7	70.0	63.2									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-189

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 189
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	99.9	105.0	108.3	111.1	114.5	118.7	121.4	123.4	125.2	125.2	123.5	119.9	122.7	121.7		127.3	133.3
	119.5	118.0	116.4	114.4	112.8	111.0	111.3	112.0	111.4	109.1	109.2	104.9	105.2				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	99.6	105.1	108.5	111.4	114.6	118.5	121.7	124.4	126.6	126.6	124.5	119.9	122.2	120.7		125.3	133.5
	115.5	106.8	100.0	103.7	106.9	108.5	109.4	111.0	109.9	106.9	108.1	104.0	103.1				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 28 SEC		
	100.1	104.9	108.2	110.7	114.2	119.0	121.1	122.3	123.1	123.2	122.1	119.8	123.2	122.5		128.7	133.1
	121.5	120.9	119.3	117.2	115.2	112.5	112.6	112.7	112.5	110.6	110.0	105.6	106.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	91.7	96.8	100.3	102.4	105.6	110.0	112.2	113.9	114.2	110.8	104.1	90.9	95.8	97.3		112.3	120.5
	99.2	101.2	102.7	103.4	103.4	102.4	96.9	96.8	95.3	94.8	90.7	90.6					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	89.0	93.6	97.8	99.4	102.8	107.1	108.8	109.3	107.3	100.2	86.0	81.5	86.8	87.9		105.5	115.3
	91.2	93.8	96.8	98.8	96.6	91.5	92.2	87.8	86.4	84.6	82.5						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	82.8	88.3	93.0	95.3	98.4	101.8	102.2	99.8	91.9	80.4	73.1	75.0	79.9	81.5		96.7	107.8
	84.8	87.0	89.5	89.9	87.1	84.1	80.5	79.8	76.2	74.7							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	78.2	83.1	88.0	90.5	93.8	97.8	97.3	93.6	83.7	71.9	66.3	70.6	73.5	76.2		90.6	102.9
	78.6	81.2	84.2	83.9	81.1	75.3	73.2	69.5	70.2								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	76.1	80.8	85.9	87.5	89.7	91.6	88.0	80.8	73.5	68.2	65.5	68.8	71.2	73.0		84.6	96.6
	75.6	78.1	79.8	76.8	69.2	67.2	65.1	60.3									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	73.0	77.3	82.5	83.9	85.6	86.9	81.1	77.7	77.8	73.0	66.9	70.3	73.6	74.6		83.8	92.8
	76.7	77.7	78.2	75.3	69.8	65.4	62.1	54.6									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	69.4	73.4	79.8	81.6	81.1	79.5	77.5	78.9	76.9	72.8	73.4	79.6	82.6	83.3		88.1	92.4
	83.4	82.6	80.3	74.3	72.0	69.4											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	78.6	83.6	87.1	85.6	83.7	83.4	89.7	93.3	90.2	77.4	80.7	87.3	90.0	88.6		92.3	99.6
	87.3	84.3		80.3	76.5	72.8	66.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-190

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 190
DATE 19 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	101.1	106.4	109.8	113.0	117.2	120.6	124.2	127.3	129.0	127.8	123.8	119.4	118.3	116.3		126.5	134.9
	115.8	114.5	114.1	115.6	114.8	112.2	111.1	112.3	111.5	108.5	109.0	105.6	105.5				
S	DIST FROM SOURCE: 75 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	101.8	106.6	110.6	113.5	117.7	120.5	124.8	128.5	130.8	129.9	126.1	121.4	119.2	113.1		125.5	136.1
	106.3	100.3	99.8	101.0	105.0	106.6	108.6	111.7	111.4	105.7	108.6	105.8	104.9				
T	DIST FROM SOURCE: 75 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	100.3	106.1	108.8	112.5	116.6	120.7	123.3	125.6	125.8	123.9	118.5	115.4	117.2	118.2		127.4	133.1
	118.5	117.4	117.0	118.5	117.6	114.5	112.7	112.8	111.6	110.2	109.4	105.4	106.1				
A	DIST FROM SOURCE: 134 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	92.3	97.5	101.6	104.4	108.1	113.0	116.4	118.3	117.8	111.8	102.3	94.2	95.4	98.2		114.4	123.8
	100.1	100.4	101.3	103.2	104.6	104.6	104.0	101.9	98.2	98.4	95.8	94.4	91.0				
B	DIST FROM SOURCE: 238 METERS															OVERALL SAMPLE DURATION: 29 SEC	
	84.1	90.6	94.8	97.8	101.4	106.1	108.8	110.0	107.7	99.4	83.1	81.8	84.6	87.6		105.4	115.2
	89.8	90.5	91.8	93.4	95.7	97.1	96.4	92.9	88.7	87.0	85.3	82.4	79.0				
C	DIST FROM SOURCE: 423 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	79.1	85.7	90.0	92.6	95.9	100.6	102.7	101.1	92.1	78.6	66.6	68.1	69.7	70.4		90.1	107.2
	72.2	74.1	76.3	75.5	76.7	78.6											
D	DIST FROM SOURCE: 753 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	72.4	79.7	83.9	86.9	90.2	93.9	95.8	93.4	84.2	67.1	60.1	62.3	63.8	63.9		81.6	100.2
	64.1	63.3	63.3	62.5	61.9	60.3	56.9	53.1									
E	DIST FROM SOURCE: 1255 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	67.3	72.8	77.4	79.3	81.9	85.0	86.1	81.6	73.0	58.4	52.1	56.0	58.2	59.2		72.2	90.9
	60.3	60.1	59.6	58.0	56.3	53.4											
F	DIST FROM SOURCE: 1757 METERS															OVERALL SAMPLE DURATION: 29 SEC	
		66.5	71.3	73.7	75.6	77.5	73.7	69.0	59.4	49.4		50.5	52.9	54.7		64.3	82.3
	55.8	55.7	55.6	54.3	51.7	48.0											
G	DIST FROM SOURCE: 2079 METERS															OVERALL SAMPLE DURATION: 30 SEC	
		64.1	66.4	67.5	70.9	71.6	67.8	62.3									
H	DIST FROM SOURCE: 2273 METERS															OVERALL SAMPLE DURATION: 30 SEC	
		64.4	65.6	65.7	68.1	69.3	66.6	61.1									
I	DIST FROM SOURCE: 2377 METERS															OVERALL SAMPLE DURATION: 30 SEC	

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-191
DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 191
DATE 19 SEP 80

MICROPHONE:
ARRAY 04

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	101.6	106.2	109.5	112.9	117.3	120.8	124.4	127.3	129.1	127.8	124.0	119.5	118.6	116.5	126.7	135.0
	116.0	115.0	114.5	115.4	114.8	112.0	110.8	112.3	112.3	108.3	108.9	105.7	105.6			
S	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	101.6	106.4	110.3	113.4	117.8	120.9	125.0	128.6	131.0	129.8	126.3	121.6	119.6	113.6	125.7	136.3
	107.0	101.1	100.4	101.5	105.4	107.0	109.0	112.0	111.8	106.1	108.7	106.4	105.5			
T	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 31 SEC		
	101.6	105.9	108.5	112.2	116.7	120.8	123.7	125.7	125.8	123.6	118.7	115.3	117.3	118.2	127.4	133.1
	118.8	117.9	117.5	118.3	117.6	114.2	112.1	112.6	112.7	109.7	109.0	104.9	105.6			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 31 SEC		
	92.5	97.4	101.5	104.4	108.4	113.4	116.9	118.6	118.0	111.8	102.7	94.7	95.9	99.0	115.3	124.1
	101.3	101.9	103.0	104.3	105.8	105.7	105.0	102.7	99.2	99.2	96.8	95.4	92.1			
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 31 SEC		
	84.6	90.5	94.9	97.9	101.8	106.7	109.4	110.4	108.1	99.5	83.6	83.2	86.2	88.7	106.4	115.7
	91.0	92.0	93.5	94.8	96.7	97.8	97.4	94.3	90.1	88.1	86.6	83.9	80.7			
C	DIST FROM SOURCE: 423 METERS													OVERALL SAMPLE DURATION: 31 SEC		
	79.5	85.4	89.7	92.6	96.2	101.2	103.2	101.2	92.2	79.0	67.2	70.5	73.4	75.3	90.5	107.5
	76.9	75.5	75.4	76.2	77.6	78.8										
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 31 SEC		
	72.5	79.3	83.6	86.6	90.1	94.1	95.9	93.1	84.0	66.9	59.7	62.4	64.4	64.6	81.6	100.3
	64.3	64.0	64.5	63.5	62.5	61.2	57.6	53.9								
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 31 SEC		
	68.5	73.0	77.5	79.3	82.1	85.7	87.1	82.3	73.4	57.0	50.4	54.8	57.6	59.1	72.7	91.5
	60.3	59.9	59.6	58.5	56.5	53.6										
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 32 SEC		
		67.4	71.6	73.8	74.5	76.4	74.3	68.9	58.8			48.0	51.2	52.9	63.3	81.8
	54.6	54.3	54.4	52.9	50.3	46.4										
G	DIST FROM SOURCE: 2079 METERS													OVERALL SAMPLE DURATION: 31 SEC		
	61.1	65.5	68.4	68.4	71.1	70.8	69.2	63.8								
H	DIST FROM SOURCE: 2273 METERS													OVERALL SAMPLE DURATION: 31 SEC		
		64.7	67.3	66.7	69.0	68.3	67.8	63.2								
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 33 SEC		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-192

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 192
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	99.3 104.6 108.7 111.3 114.8 118.6 121.8 123.9 126.0 125.9 124.1 120.2 122.8 121.8 119.6 118.1 115.9 113.5 112.6 111.7 111.9 112.7 111.9 109.7 110.0 105.8 105.9	127.5	133.7
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	98.9 104.6 108.8 111.6 115.0 118.3 122.1 124.9 127.4 127.4 125.2 120.7 122.8 121.3 116.2 107.7 101.9 106.0 109.3 110.7 111.6 113.0 111.6 109.3 110.2 106.3 105.7	126.4	134.2
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	99.7 104.6 108.5 110.9 114.5 118.8 121.5 122.7 123.8 123.7 122.5 119.7 122.9 122.2 121.5 120.9 118.8 116.1 114.5 112.4 112.2 112.4 112.2 110.2 109.8 105.3 106.1	128.4	133.2
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC		
	91.1 96.5 100.8 103.1 106.7 110.7 113.4 114.8 115.4 112.2 105.2 93.5 99.5 102.0 104.5 105.8 107.5 108.4 108.0 106.6 100.7 101.0 99.3 99.3 95.4 93.8 91.5	116.4	122.2
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC		
	88.6 93.3 98.2 100.0 103.4 107.4 109.7 110.3 108.7 102.2 88.1 84.8 91.8 95.4 98.5 101.2 103.8 105.1 104.2 101.6 97.1 97.2 95.3 94.0 90.6 88.5 86.5	112.1	117.2
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC		
	81.9 87.2 92.6 94.8 98.5 101.7 102.6 99.9 92.1 80.5 74.0 76.4 81.8 85.6 89.2 91.8 94.3 95.8 96.0 92.5 86.2 88.4 85.5 84.8 79.8 80.3	102.9	108.7
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 29 SEC		
	77.9 82.6 87.9 90.3 93.5 97.0 97.4 94.4 85.2 70.7 64.3 69.2 72.9 75.1 77.6 80.8 83.7 85.4 85.6 80.0 74.7 72.2 73.8	92.2	102.8
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 29 SEC		
	75.0 80.7 86.7 87.9 90.4 92.1 89.5 83.9 76.7 66.3 64.2 69.0 73.2 77.4 81.4 84.0 84.8 78.3 75.5 70.9 70.3 63.5 60.8	89.2	97.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC		
	74.0 78.6 82.0 85.0 86.4 85.7 82.1 80.7 74.0 66.8 64.4 68.7 74.3 75.0 79.2 79.2 79.2 77.0 73.6 67.2 62.8 58.5	85.3	93.2
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC		
	74.4 79.7 86.1 87.2 87.3 83.2 82.2 83.1 80.5 75.2 77.8 79.1 84.0 84.0 85.1 83.8 80.5 76.7 71.6 68.9	89.3	95.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC		
	78.2 83.6 87.6 86.4 82.8 88.0 94.3 95.1 90.3 79.7 82.5 88.1 91.5 90.9 87.6 84.9 80.8 77.4 73.5 68.0	93.5	101.4

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-193

DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 193
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	99.6	104.7	108.7	111.3	115.0	118.9	122.0	124.5	126.3	125.9	123.9	120.5	123.1	121.9		127.6	133.9
	119.9	118.1	116.0	113.6	112.5	111.4	111.8	112.7	111.9	109.6	110.0	106.1	106.1				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	99.3	104.8	108.8	111.6	115.3	118.7	122.3	125.5	127.8	127.3	125.1	120.9	123.0	121.4		126.5	134.4
	116.6	108.0	102.2	105.7	109.2	110.5	111.4	113.0	111.8	109.3	110.3	106.8	106.0				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	100.0	104.7	108.5	110.9	114.8	119.1	121.6	123.2	124.1	123.7	122.5	120.2	123.2	122.4		128.5	133.3
	121.8	120.9	118.9	116.2	114.3	112.2	112.1	112.3	112.1	110.0	109.6	105.1	106.1				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	91.5	96.7	100.8	103.0	106.6	110.6	113.4	115.4	115.9	112.3	105.0	92.7	99.2	101.3		115.1	122.1
	103.1	104.3	105.9	106.9	106.2	104.6	100.3	99.2	98.1	97.7	93.8	92.2	90.2				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	88.9	93.8	98.6	100.2	103.8	107.6	109.7	110.8	109.4	102.4	87.7	85.1	92.7	95.7		111.6	117.4
	98.2	100.7	103.3	105.0	104.1	99.9	96.9	95.8	93.8	91.7	88.3	85.5	83.9				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	82.0	87.4	92.8	94.9	98.7	101.8	102.8	101.2	94.5	80.9	74.2	75.0	79.2	83.7		103.2	109.1
	89.3	93.0	95.6	96.9	95.7	90.7	87.3	88.1	91.8	83.8	77.4	76.1					
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	77.7	82.1	87.6	90.0	93.5	97.1	97.2	94.7	84.8	70.7	64.5	69.0	73.4	74.1		92.1	102.8
	75.9	79.6	83.3	85.2	85.4	81.7	74.4	73.6	71.0								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	76.4	81.1	86.4	87.6	90.4	91.4	88.3	84.3	75.7	69.8	63.2	68.9	73.2	75.4		87.3	97.2
	78.2	79.3	82.9	80.4	74.1	69.4	67.4	62.3	57.7								
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	74.4	79.8	86.1	87.3	86.3	83.0	82.5	77.2	78.1	72.8	74.1	80.4	83.2	84.3		88.4	95.0
	83.3	82.1	80.1	75.5	73.2	69.7											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	79.4	84.0	87.1	89.2	78.2	91.8	94.9	94.2	89.5	79.1	70.3	87.8	90.0	87.7		92.0	100.9
	85.5	83.7		81.0	77.8	74.6	69.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-194

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 194
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	100.0	105.2	109.2	112.0	116.1	120.1	122.7	125.1	126.6	126.4	124.3	121.1	123.7	122.1	127.8	134.3
	120.4	118.3	115.4	112.7	112.4	111.6	111.5	112.4	112.1	110.2	109.9	107.2	107.2			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	99.7	105.3	109.4	112.4	116.4	120.0	123.2	126.2	128.1	127.8	125.5	121.5	123.6	121.7	126.9	134.9
	117.7	111.3	105.7	106.0	108.9	109.9	110.4	112.1	112.1	110.3	110.1	108.4	108.1			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	100.4	105.1	109.0	111.5	115.8	120.2	122.2	123.8	124.3	124.1	122.6	120.6	123.7	122.5	128.5	133.6
	122.1	120.9	118.2	115.3	114.3	112.8	112.5	112.6	112.1	110.1	109.7	105.4	106.2			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	92.1	97.5	102.0	104.6	109.0	113.4	115.9	117.8	117.5	113.2	104.5	97.5	104.1	106.3	117.8	124.3
	108.6	109.7	110.5	109.2	104.4	103.8	105.5	102.3	101.0	100.3	96.8	95.1	92.8			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	89.9	94.9	100.0	102.2	106.3	110.5	112.5	113.3	110.2	100.1	89.1	94.8	101.5	105.2	115.6	120.4
	108.5	110.2	109.4	104.3	103.0	103.0	98.2	98.3	96.4	94.4	90.6	88.0	85.0			
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	83.7	89.3	94.8	97.1	101.5	104.8	104.7	100.7	93.5	90.1	81.7	83.7	88.5	93.1	104.5	111.0
	96.1	95.4	95.5	98.2	95.2	92.2	89.5	88.9	85.2	84.6	79.8	78.5				
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	79.4	84.7	90.8	94.0	97.7	101.1	100.3	96.7	87.6	74.8	71.8	77.5	80.9	81.8	94.7	106.2
	84.1	84.5	86.6	89.2	85.2	78.3	77.2	73.0	70.9	66.6						
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	78.2	83.2	89.2	91.4	94.6	95.8	92.5	85.1	78.4	74.4	73.7	82.7	86.7	89.3	97.4	102.7
	92.3	92.4	91.3	86.7	80.6	81.5	76.7	74.1	69.3							
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	76.4	82.0	87.9	89.0	90.1	87.6	81.7	78.4	77.5	79.9	83.9	86.7	88.0	87.6	94.6	98.9
	87.4	87.3	87.4	85.3	83.0	80.4	76.4									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	80.0	84.6	88.6	86.9	83.5	91.8	94.3	91.6	90.6	84.4	79.3	87.8	87.8	88.0	92.3	100.8
	88.2	85.3		79.3	76.9	71.3	65.2									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-195

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 195
DATE 19 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1k	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	99.5	105.0	108.1	110.6	116.8	119.0	123.1	126.6	128.4	126.5	122.5	119.1	117.3	115.8	126.3	134.1
	115.2	115.0	115.6	114.8	113.8	111.7	112.6	113.6	112.1	108.9	109.6	106.0	105.7			
S	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	100.0	105.3	108.9	111.0	117.4	119.0	123.9	128.0	130.4	128.7	125.0	121.4	117.7	111.8	125.8	135.5
	105.6	102.8	105.2	106.2	109.2	111.2	112.9	114.5	113.1	108.4	110.4	107.2	106.6			
T	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	98.9	104.6	107.2	110.1	116.2	118.9	122.2	124.6	124.8	121.8	115.7	114.1	117.0	117.8	126.7	132.0
	117.9	117.9	118.4	117.5	115.9	112.2	112.2	112.4	110.8	109.3	108.5	104.4	104.7			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	91.5	96.5	100.4	102.6	108.3	111.7	115.9	118.1	117.1	109.8	99.3	91.6	98.5	102.2	117.0	123.7
	105.6	108.0	110.3	109.0	105.0	104.4	105.0	101.0	99.5	97.4	94.4	92.7	88.8			
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	83.4	90.2	94.4	96.9	102.4	105.4	108.9	109.7	105.8	94.3	81.4	86.5	91.7	96.6	110.4	115.8
	101.1	103.9	104.5	100.9	99.9	98.4	94.9	92.7	88.7	86.4	82.0	78.4				
C	DIST FROM SOURCE: 423 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	79.4	85.6	89.6	92.1	97.4	100.2	102.8	99.7	91.1	77.6	67.6	73.8	80.4	85.7	100.2	107.7
	90.9	94.1	94.6	93.9	84.4	85.3	83.2									
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	67.5	73.6	76.9	80.0	85.2	85.6	85.6	76.2	69.2	54.9	51.5	55.6	60.2	67.1	80.3	91.5
	73.4	76.3	75.3	67.8	64.3	58.7										
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 30 SEC		
		67.9	70.3	72.6	76.4	74.6	69.8	65.0	56.1			49.8	53.1	55.4	66.5	81.0
	60.3	60.8	61.4	55.2	51.4	44.4										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-196

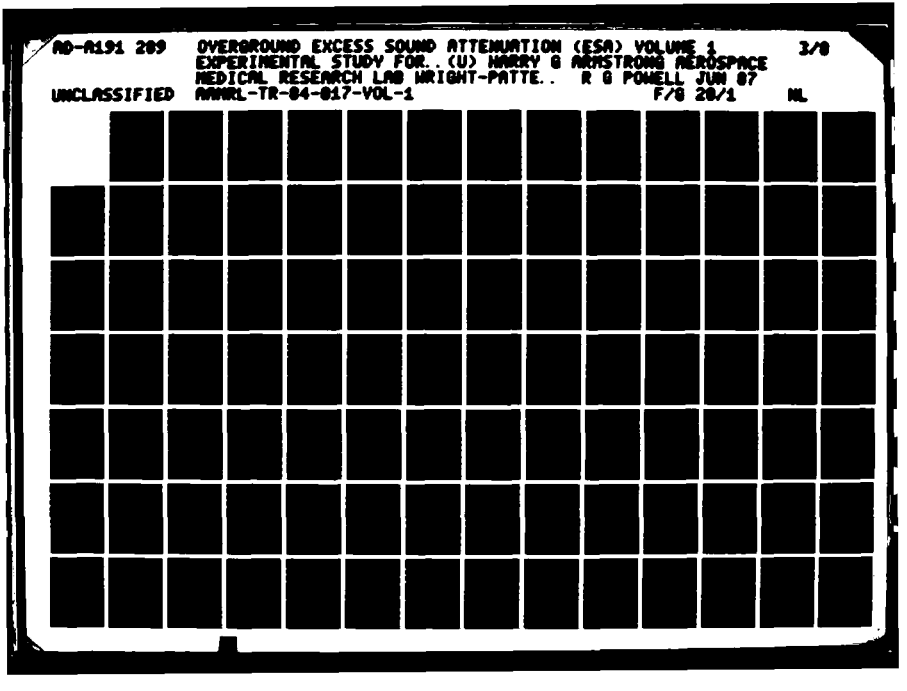
STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 MT AGL 1.5 M

EVENT: NUMBER 196
DATE 19 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 73 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	99.9	104.7	107.9	110.3	116.1	118.7	122.9	126.0	127.7	125.7	122.0	119.0	116.2	113.7	125.2	133.4
	113.6	113.1	114.0	114.3	113.0	110.5	110.9	112.1	110.9	107.1	107.5	103.6	103.6			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	100.0	105.0	108.7	110.8	116.8	118.8	123.6	127.3	129.6	127.8	124.5	121.3	117.2	110.0	124.6	134.8
	103.7	99.7	102.1	103.8	107.0	108.9	111.0	112.5	110.6	105.4	107.3	103.9	103.6			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	99.7	104.4	106.9	109.7	115.4	118.5	122.0	124.1	124.2	121.2	115.8	113.4	115.1	115.7	125.7	131.3
	116.4	116.0	116.9	117.1	115.4	111.7	110.8	111.6	111.2	108.3	107.6	103.2	103.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 23 SEC	
	91.2	96.5	100.0	102.3	107.6	111.2	115.5	117.3	116.3	109.2	99.7	90.2	94.7	97.7	113.9	122.6
	100.4	102.1	105.0	106.3	104.8	100.7	98.7	100.3	96.3	96.7	93.5	91.7	87.9			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	83.5	90.2	94.2	96.7	102.0	105.2	108.8	109.5	106.0	94.8	80.7	83.2	87.6	92.3	109.5	115.4
	97.5	100.9	103.7	102.4	99.1	98.6	92.9	90.4	86.0	85.1	81.0	77.6				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	78.9	85.2	89.3	91.8	96.7	99.9	102.3	98.2	89.0	77.5	69.3	74.1	80.3	84.3	97.8	106.7
	87.5	89.8	91.6	89.0	90.1	83.2	83.7									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	68.2	74.4	79.2	81.8	87.0	88.3	88.9	81.3	74.3	60.2	56.5	55.7	58.7	64.3	78.4	93.9
	68.3	72.0	69.1	69.3	69.3	60.7	55.5									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 29 SEC	
		68.8	72.9	75.4	78.7	78.6	74.2	71.4	67.3	51.4	47.9	50.5	53.1	55.9	70.9	84.2
	62.8	66.6	63.1	63.8	55.6	51.0										


AD-A191 209 OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1 3/8
EXPERIMENTAL STUDY FOR..(U) HARRY G ARMSTRONG AEROSPACE
MEDICAL RESEARCH LAB WRIGHT-PATTE.. R G POWELL JUN 87
UNCLASSIFIED AAMRL-TR-84-017-VOL-1 F/G 20/1 NL

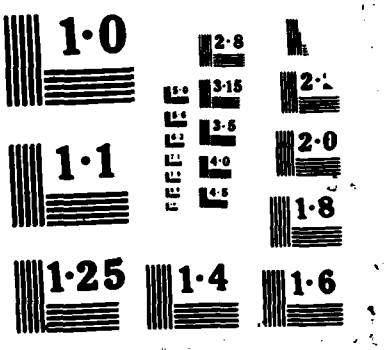

1·0
1·1
1·25
1·4
1·6
2·0
1·8

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-197

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 197
DATE 19 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 20 SEC						
	99.7	104.9	108.2	110.5	116.1	118.9	122.9	126.5	128.1	126.2	122.3	119.5	117.5	115.5	126.1	133.8
	114.8	114.2	115.1	115.6	114.3	111.6	111.3	113.0	111.4	108.2	108.7	104.7	104.8			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 20 SEC						
	100.2	105.1	109.0	111.1	116.7	118.9	123.6	127.7	129.9	128.3	124.7	121.7	118.1	111.9	125.1	135.1
	105.0	100.3	102.3	103.6	106.5	108.4	110.8	113.4	111.9	106.3	108.6	104.7	104.5			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.2	104.6	107.2	109.9	115.4	118.9	122.1	124.6	124.7	122.0	116.5	114.9	116.8	117.4	126.9	132.0
	117.6	117.1	118.0	118.4	116.9	113.5	111.8	112.6	110.8	109.6	108.8	104.6	105.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 20 SEC						
	92.0	96.6	100.2	102.5	107.5	111.4	115.5	117.7	116.8	109.5	99.7	90.7	95.9	99.2	114.6	122.9
	101.6	103.4	105.8	106.9	105.6	102.4	99.8	100.4	96.7	96.3	93.6	91.8	88.0			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	84.1	90.3	94.2	96.6	101.9	105.1	108.8	109.8	106.3	95.8	80.9	84.4	88.2	90.1	106.4	114.9
	92.4	95.4	99.4	100.3	95.5	91.2	94.4	89.6		85.1	81.3	78.4				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	79.4	85.4	89.4	91.8	96.7	100.1	102.7	99.8	90.2	79.2	67.9	74.4	78.8	82.7	99.7	107.5
	87.8	91.7	95.6	92.9	86.8	82.5	83.0	82.0								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	68.4	74.3	78.4	80.5	85.5	87.0	87.6	80.1	71.9	58.2	53.7	58.3	61.0	67.1	83.4	93.0
	72.2	76.3	79.2	75.4	72.6	66.6	60.4	59.9								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	64.6	68.4	72.6	74.7	78.1	77.8	73.6	71.1	64.3	49.7	50.0	51.7	54.8	62.5	78.8	84.8
	71.2	75.6	74.8	64.9	53.9	54.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-198

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 198
DATE 19 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.4	104.9	108.3	110.7	116.2	119.0	123.1	126.4	128.0	126.0	122.3	119.7	117.9	116.2	126.6	133.9
	115.8	115.5	116.1	116.1	114.8	111.8	111.8	113.3	112.5	109.0	109.5	106.4	106.1			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.8	105.1	109.1	111.2	116.8	119.1	123.8	127.7	129.9	128.1	124.8	121.9	118.5	112.9	125.4	135.1
	106.7	102.3	103.8	104.5	107.1	108.7	110.8	113.5	113.3	107.5	109.7	107.4	106.6			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.0	104.6	107.4	110.1	115.6	119.0	122.2	124.5	124.7	121.8	116.3	115.0	117.0	118.0	127.5	132.2
	118.6	118.4	119.0	119.0	117.4	113.6	112.6	113.1	111.5	110.1	109.3	105.2	105.6			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	91.8	96.9	100.5	102.5	107.8	111.5	115.6	117.8	116.8	109.8	100.9	93.0	97.3	100.8	116.8	123.4
	103.6	105.1	107.5	108.7	108.6	106.7	103.6	101.0	100.7	99.4	96.4	95.0	91.5			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	83.8	90.4	94.5	96.8	102.1	105.2	108.7	109.8	106.5	96.0	80.6	83.0	89.2	94.7	111.6	116.1
	98.6	101.3	104.4	105.2	103.5	98.5	98.2	95.9	92.6	92.2	88.2	86.3	82.9			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	79.1	85.6	89.7	92.1	96.9	100.3	102.9	99.6	89.9	78.7	70.2	74.6	77.1	81.4	102.7	108.1
	87.1	92.9	97.9	97.8	90.1	87.6	87.3	82.1								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	67.3	73.5	77.6	80.8	85.5	86.7	87.3	79.8	69.5	55.5	52.4	57.4	60.0	65.5	81.7	92.5
	68.8	72.7	77.5	74.6	68.8	67.6	64.6	60.0								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	64.6	68.7	72.2	74.8	78.8	78.8	74.9	69.6	62.8			52.7	55.8	63.0	77.0	84.8
	69.7	72.5	70.5	70.9	57.9	55.3										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-199

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 199
DATE 19 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.8	104.9	107.8	110.6	116.1	118.4	122.7	126.0	127.7	125.5	122.0	119.1	117.1	114.1	125.5	133.4
	113.3	113.2	114.6	114.7	113.7	111.1	110.6	112.3	111.8	107.5	108.1	104.6	104.4			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.9	105.1	108.6	111.3	116.7	118.6	123.4	127.3	129.6	127.7	124.4	121.3	118.0	111.5	124.8	134.7
	104.5	100.4	102.8	103.6	106.1	108.2	110.3	112.9	112.4	106.2	108.5	105.5	104.6			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.7	104.6	106.7	109.9	115.3	118.2	121.8	124.0	124.1	121.1	116.0	114.4	115.8	115.7	126.0	131.3
	116.0	116.1	117.5	117.5	116.3	112.8	111.0	111.7	111.0	108.5	107.7	103.3	104.2			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	91.6	96.8	100.2	102.7	107.6	111.1	115.2	117.2	116.3	109.4	101.0	92.9	95.3	97.8	114.7	122.6
	99.6	101.1	104.4	106.1	106.2	104.9	103.3	99.2	98.0	97.4	94.6	92.6	89.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	83.9	90.6	94.4	96.9	101.9	105.0	108.5	109.4	106.4	96.4	80.8	83.2	87.0	89.2	108.6	115.1
	92.7	95.4	99.0	101.3	102.0	99.2	92.5	94.3		87.5	85.6	82.0	77.9			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	79.2	85.8	89.6	92.4	97.0	100.1	102.5	98.9	88.7	78.2	71.4	77.2	80.9	83.8	99.4	107.2
	86.6	89.5	94.1	94.2	86.1	85.3	84.1	80.3	79.5							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	68.4	75.5	79.1	81.9	86.6	87.7	88.2	80.8	72.7	57.2		57.2	61.3	66.8	84.8	93.9
	72.6	78.1	81.8	76.5	69.3	64.3	58.9									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	64.4	70.7	75.2	77.7	81.0	80.4	76.6	72.3	64.6	51.0	48.9	54.9	61.9	69.1	79.7	87.1
	75.3	73.5	74.0	69.1	68.7	60.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-200

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 200
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	100.2	106.1	109.1	112.3	115.6	119.9	122.4	124.9	126.5	126.2	124.5	120.7	123.3	122.0	127.7	134.2
	120.2	118.3	115.4	113.0	112.6	111.6	111.6	112.5	112.4	110.6	110.5	107.9	108.1			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	99.8	106.2	109.4	112.8	116.0	119.9	122.8	125.9	128.0	127.7	125.7	121.2	123.2	121.5	126.8	134.8
	117.2	111.0	105.4	106.3	109.0	110.0	110.7	112.4	112.8	111.0	111.0	109.4	109.3			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	100.4	106.0	108.9	111.9	115.2	120.0	121.9	123.5	124.2	124.0	122.7	120.1	123.4	122.4	128.5	133.5
	121.9	120.9	118.2	115.5	114.5	112.8	112.4	112.5	112.1	110.2	109.9	105.5	106.3			
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	80.2	86.8	92.0	95.5	98.7	101.8	99.8	96.8	87.3	80.1	80.8	88.7	95.2	98.2	102.3	108.4
	99.1	95.7	92.4	85.6	87.2	86.2	82.0	80.1	77.3	74.8	67.9					
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 27 SEC						
	78.9	84.5	89.8	91.8	93.7	94.1	90.7	83.9	80.2	75.6	75.3	81.4	81.4	85.8	89.8	100.3
	85.3	84.8	79.2	74.5	74.4	70.4	63.8									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	75.2	83.2	87.3	85.5	82.7	85.6	84.6	82.7	79.0	73.7	74.2	80.1	82.6	79.9	84.4	94.5
	77.7	76.3	73.5	71.1	68.1	64.2										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	73.3	79.3	84.2	84.8	85.5	90.3	88.7	88.3	87.1	76.4	80.7	87.5	92.4	92.8	93.7	99.7
	86.9	83.4		79.8	76.9	70.3	64.9									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-201

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 201
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 26 SEC		
	100.2	105.9	109.3	112.4	115.9	120.2	122.9	125.0	126.7	126.5	124.6	120.9	123.3	122.2	127.9	134.4
	120.3	118.6	116.1	113.6	112.8	111.7	111.7	112.5	112.5	110.5	110.3	107.6	107.7			
S	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 26 SEC		
	99.9	106.0	109.6	112.9	116.3	120.2	123.4	126.0	128.2	127.9	125.8	121.3	123.1	121.5	126.7	134.9
	117.0	110.6	104.9	105.5	108.4	109.5	110.1	111.9	112.2	110.3	110.4	108.8	108.5			
T	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	100.5	105.7	109.1	111.9	115.5	120.1	122.3	123.7	124.4	124.3	122.9	120.5	123.5	122.7	128.9	133.8
	122.1	121.3	119.0	116.3	115.0	113.2	112.9	113.0	112.7	110.6	110.3	106.0	106.8			
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	80.3	86.5	92.4	95.9	99.0	101.8	100.2	97.8	87.7	80.2	81.8	89.3	93.5	92.8	101.0	108.0
	95.0	97.3	92.2	86.9	87.0	85.5	80.6	78.3	75.0	72.2						
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	79.0	84.8	90.4	92.4	93.8	93.6	90.0	81.8	84.6	79.6	80.6	81.2	86.3	86.2	92.2	100.8
	88.1	86.4	81.8	79.5	79.7	75.0	71.7	67.0								
G	DIST FROM SOURCE: 2087 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	75.6	82.5	86.7	84.8	83.2	85.2	81.1	81.3	80.4	73.3	74.3	76.4	79.0	80.1	86.0	94.0
	80.4	80.8	78.4	73.4	71.3	68.5	61.1									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-202

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 202
DATE 19 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	100.4	105.4	109.2	112.4	115.8	119.8	122.3	125.0	126.4	126.2	124.4	120.8	123.3	122.0	127.8	134.2
	120.1	118.5	115.8	113.4	112.5	111.5	111.4	112.2	112.2	110.3	110.1	107.4	107.6			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	100.0	105.5	109.5	112.9	116.1	119.7	122.7	126.0	127.9	127.7	125.6	121.3	123.1	121.4	126.6	134.7
	117.0	110.7	105.0	105.5	108.2	109.2	109.7	111.6	111.9	110.1	110.0	108.6	108.5			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	100.8	105.3	109.0	111.9	115.4	119.8	121.7	123.6	124.1	124.0	122.8	120.4	123.5	122.5	128.7	133.6
	121.9	121.1	118.7	116.0	114.6	112.9	112.6	112.8	112.5	110.4	110.2	105.7	106.6			
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	81.4	86.3	92.5	95.9	99.0	101.5	99.4	97.1	87.8	80.3	79.1	86.5	91.8	92.0	98.2	107.1
	88.8	93.5	91.5	86.0	82.6	83.1	78.9	77.0	73.9	71.5						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	79.9	85.1	91.1	93.0	94.3	93.8	90.2	81.6	84.3	80.1	79.4	80.5	87.1	87.6	92.8	101.2
	87.3	87.6	83.2	81.3	79.8	73.7	67.4	63.5								
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	76.1	82.0	85.4	84.6	84.0	85.9	77.3	76.7	79.9	74.0	74.0	79.5	81.9	83.0	87.7	94.3
	83.7	80.3	79.6	75.5	72.4	69.5	63.3									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	76.4	81.2	84.0	83.8	87.6	88.8	87.8	90.3	90.4	77.8	77.4	82.9	84.1	84.2	89.3	97.9
	84.7	82.9		79.2	74.6	69.3	61.9									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-203

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 203
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	100.5	105.0	109.0	112.4	115.9	119.7	122.8	124.7	126.4	126.0	124.2	120.9	123.5	122.2	127.9	134.2
	120.3	118.6	116.2	113.7	112.7	111.6	111.5	112.2	112.2	110.3	110.0	107.2	107.4			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	100.1	105.1	109.2	112.9	116.2	119.6	123.3	125.7	127.9	127.5	125.3	121.3	123.2	121.6	126.5	134.6
	117.1	110.7	105.1	105.2	107.8	108.8	109.5	111.2	111.6	109.8	109.6	108.2	107.9			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	100.8	105.0	108.8	112.0	115.5	119.7	122.3	123.4	124.1	123.9	122.6	120.5	123.7	122.8	128.9	133.7
	122.1	121.2	119.0	116.4	115.0	113.3	112.9	113.0	112.7	110.8	110.3	106.1	106.9			
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 20 SEC						
	80.6	85.4	91.7	95.4	98.9	101.6	100.1	96.1	87.6	77.0	75.8	84.8	91.4	95.3	99.9	107.5
	96.3	92.6	92.4	87.3	81.3	83.7	78.1	75.8	72.9	70.2						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	79.6	84.1	90.3	92.6	94.3	92.9	89.5	83.7	85.2	77.7	77.3	81.3	81.8	92.0	95.3	101.6
	91.8	89.3	86.1	80.4	80.9	78.4	72.9	69.9	64.5							
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	76.0	81.4	85.1	84.7	85.6	86.9	77.7	80.9	81.2	75.7	72.1	78.3	79.8	82.5	86.7	94.4
	81.1	80.8	79.3	73.6	71.6	67.3	60.7									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	76.8	79.9	83.8	84.3	89.0	91.4	92.2	91.4	90.9	80.0	83.9	90.6	94.0	93.3	96.6	102.1
	91.3	90.3		83.6	82.4	75.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-204

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 204
DATE 19 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.6	105.8	109.3	112.3	116.0	119.9	122.3	124.6	126.5	126.4	124.5	120.8	123.4	122.1		127.9	134.2
	120.3	118.7	116.2	113.8	112.7	111.5	111.4	112.1	112.0	110.1	109.8	107.0	107.4				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.3	105.9	109.5	112.7	116.3	119.9	122.8	125.6	127.9	127.8	125.6	121.2	123.1	121.4		126.4	134.7
	116.9	110.7	105.0	105.0	107.6	108.6	109.2	111.0	111.4	109.7	109.5	108.0	108.0				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	100.0	105.7	109.1	111.7	115.6	119.9	121.8	123.3	124.3	124.2	122.9	120.4	123.6	122.7		128.9	133.7
	122.1	121.3	119.0	116.5	115.0	113.3	112.9	112.9	112.6	110.5	110.1	105.9	106.7				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	79.2	85.2	90.7	93.8	97.6	100.9	99.1	95.6	87.1	75.5	72.1	79.9	86.2	90.8		96.8	106.1
	92.3	88.4	90.3	86.9	81.3	80.2	78.5	75.1	72.0	69.0							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	78.8	85.0	90.6	92.4	94.7	94.0	87.2	84.8	79.8	71.7	72.8	81.4	85.6	85.2		93.2	101.0
	89.1	88.4	84.7	80.2	78.2	78.3	72.3	71.4									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 23 SEC							
	76.5	81.6	85.8	87.2	84.3	81.5	80.8	81.9	85.2	80.7	82.3	84.0	91.2	91.9		95.8	99.3
	92.0	89.7	82.4	81.4	82.8	77.3	75.0	71.5									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-205

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 205 DATE 19 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	100.2	105.4	108.9	112.5	115.8	119.9	122.5	124.8	126.3	126.0	124.2	121.1	123.5	122.4		128.0	134.2
	120.3	118.8	116.6	114.2	113.0	111.7	111.5	112.1	112.0	110.2	109.9	107.0	107.4				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	100.0	105.6	109.2	113.0	116.2	119.9	122.9	125.8	127.8	127.4	125.3	121.4	123.1	121.7		126.4	134.6
	117.1	110.7	105.2	105.2	107.7	108.6	108.9	110.7	110.9	109.3	109.1	107.5	107.6				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	100.4	105.3	108.7	112.0	115.5	119.9	122.0	123.4	124.1	123.9	122.7	120.7	123.8	123.0		129.1	133.8
	122.1	121.5	119.5	116.9	115.3	113.4	113.2	113.3	112.9	110.9	110.6	106.5	107.1				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	92.2	97.6	101.4	104.5	107.9	112.0	114.2	115.9	115.9	112.1	105.2	94.9	100.1	102.6		116.7	122.8
	105.2	106.6	108.0	108.4	107.8	106.7	101.0	100.0	101.9	100.0	95.9	94.8	92.2				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	90.7	95.0	99.7	102.2	105.6	109.5	111.1	111.9	110.2	102.8	87.7	86.7	91.4	93.8		110.8	118.2
	96.7	99.1	102.1	104.1	103.4	99.7	94.3	94.8	89.4	87.1	83.9	79.8					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	83.2	89.0	94.2	97.6	101.2	104.3	104.0	99.6	89.8	83.6	79.4	84.4	91.4	94.9		107.0	111.4
	97.9	99.8	101.3	100.3	93.7	91.7	93.0	87.0	87.1	84.1	79.0						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	78.9	84.3	90.0	93.8	97.0	100.4	99.5	96.2	88.3	73.8	69.0	77.0	83.8	90.1		99.1	106.3
	94.4	94.0	91.2	90.8	82.9	81.7	80.3	75.0	70.0	67.7							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 23 SEC							
	78.9	83.9	89.6	92.2	94.7	94.7	88.5	84.0	79.8	75.8	69.2	77.6	83.9	87.3		92.4	100.9
	87.8	86.9	85.1	80.4	74.1	74.5	70.6	64.5									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	76.5	81.6	85.5	87.8	86.4	79.0	78.0	79.2	83.1	78.9	78.5	79.2	90.5	86.6		92.2	97.0
	85.3	86.0	84.6	80.2	75.8	71.5											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	74.3	79.0	84.7	87.1	89.6	93.5	88.5	89.6	88.7	79.7	76.9	82.7	85.7	86.2		89.8	99.1
	83.9	83.2		79.6	75.6	70.7	64.4										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-206

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 206
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	99.7	104.8	108.5	112.0	115.0	119.4	122.0	124.5	126.4	126.4	124.7	121.2	123.7	122.9	128.0	134.3
	120.4	118.4	116.0	113.3	112.5	111.7	111.9	112.8	112.6	110.3	110.2	107.5	106.8			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	99.6	104.9	108.7	112.4	115.3	119.3	122.4	125.4	127.8	127.8	125.9	121.7	123.8	122.6	127.2	134.8
	117.7	110.5	104.6	106.2	109.5	110.7	111.4	113.2	112.9	110.6	110.7	109.0	107.6			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	99.9	104.6	108.4	111.6	114.8	119.6	121.5	123.2	124.2	124.3	123.0	120.5	123.6	123.1	128.7	133.6
	122.0	121.1	118.9	115.9	114.2	112.5	112.3	112.5	112.3	110.0	109.7	105.2	105.9			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	91.4	96.7	100.5	103.3	106.4	110.6	113.1	115.1	115.8	113.0	106.7	94.0	99.9	101.7	116.8	122.4
	103.8	105.2	107.2	108.2	108.0	107.7	103.3	101.9	100.9	100.5	96.9	95.7	93.7			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	89.6	93.9	98.1	100.4	103.4	107.5	109.3	110.7	109.5	103.8	90.7	84.4	91.0	94.6	111.8	117.3
	97.8	99.9	102.2	103.9	104.4	103.3	98.2	95.2	94.0	93.2	89.2	86.6	85.1			
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	83.0	88.5	93.3	95.8	99.0	102.3	102.7	100.3	93.4	82.3	75.0	77.2	83.6	88.3	104.7	109.6
	92.7	96.0	98.2	98.0	94.3	93.9	91.7	88.1	83.7	80.3						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	77.8	83.3	89.1	92.4	95.2	98.5	97.5	93.5	85.8	74.8	69.4	75.4	81.5	85.5	98.7	104.6
	88.9	90.5	91.2	90.5	91.1	87.5	83.8	80.2	77.5	77.5	69.3					
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	74.7	80.2	85.9	88.7	90.9	91.8	87.8	83.4	79.5	73.3	68.4	74.5	80.6	84.0	94.8	99.1
	83.7	86.3	91.1	86.5	84.8	77.9	73.0	68.7	60.6	58.4						
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	70.9	77.6	81.2	84.1	85.4	85.2	82.7	78.9	73.6	69.6	66.7	69.6	72.9	72.0	85.2	92.6
	78.9	79.2	77.9	76.2	75.8	72.4	63.1	59.2	54.3							
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	73.4	77.0	79.8	85.7	83.6	84.5	81.2	78.7	73.4	70.4	73.6	77.9	80.1	80.0	86.0	92.8
	81.1	78.4	77.7	75.8	74.5	70.7	62.6									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-207

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 207
DATE 19 SEP 80

MICROPHONE:
ARRAY D3

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	98.7	103.3	107.2	109.9	113.6	118.0	120.7	123.2	124.8	124.5	122.2	118.2	121.4	120.3		126.1	132.4
	118.9	117.2	115.3	113.5	111.8	109.4	109.2	109.5	109.1	107.1	106.3	102.7	102.8				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	99.3	103.7	107.6	110.4	114.1	118.0	121.3	124.1	126.1	125.7	123.1	117.9	120.6	119.0		123.8	132.6
	116.1	111.8	108.2	103.7	103.2	102.6	101.6	102.8	104.0	100.5	99.5	96.3	96.1				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	98.0	102.9	106.6	109.3	113.0	117.9	120.1	122.0	122.8	122.8	121.2	118.4	122.1	121.4		127.6	132.2
	120.5	119.5	117.9	116.3	114.5	111.9	111.9	112.0	111.4	109.6	108.9	105.2	105.3				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	91.0	96.2	100.3	102.6	106.0	110.6	112.7	114.7	115.4	113.1	108.7	102.6	101.4	100.2		111.4	121.5
	100.4	100.0	100.2	100.0	98.8	98.6	96.2	95.2	93.4	93.1	88.3						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	88.5	92.9	97.6	99.2	102.5	106.9	108.3	109.6	109.2	106.2	99.4	91.8	90.3	89.7		103.2	115.9
	91.3	91.2	91.1	90.3	89.3	88.7	86.1	84.9	82.4	80.4							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	81.1	85.4	90.5	92.3	95.5	99.0	99.6	98.9	95.7	90.6	85.6	77.2	76.3	75.2		89.8	105.7
	76.7	75.9	75.6	75.5	74.9	73.3	71.2	68.6	66.5								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	74.6	79.0	83.7	85.5	88.6	92.6	91.6	90.8	85.9	73.8	66.8	67.7	70.8	71.0		82.2	98.1
	72.2	72.0	72.1	70.9	69.2	67.1	63.5										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	71.0	75.8	80.7	81.9	84.0	86.9	84.7	82.3	76.6	70.4	65.4	65.7	67.2	67.2		76.3	92.1
	67.8	67.6	66.8	65.7	63.7	60.3	55.9										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	66.4	71.3	75.8	77.2	78.0	81.6	80.7	78.5	73.6	68.1	63.6	62.8	63.8	64.3		72.8	87.4
	65.2	64.7	64.1	62.2	59.4	55.6											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	62.2	67.9	72.8	74.3	75.6	79.9	78.0	74.4	68.8	59.3	58.1	60.1	62.6	63.4		70.8	84.8
	63.5	63.4	63.3	61.0	56.8	52.3											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	60.9	66.3	71.7	73.1	74.3	78.1	76.6	72.8	68.0	62.3	58.3	58.4	60.7	61.6		68.1	83.3
	61.3	60.7	58.7	55.9	51.8	45.7											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-208

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 208
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	98.8	104.0	107.2	109.7	113.5	117.4	120.4	122.4	124.2	123.7	121.4	118.4	121.6	120.2		126.7	132.2
	118.9	117.6	116.5	115.6	114.3	111.3	110.8	111.0	110.7	108.7	108.0						
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	99.4	104.4	107.7	110.2	114.0	117.3	120.8	123.2	125.4	124.7	122.0	120.0	117.6	117.8		122.6	131.8
	114.7	110.5	106.9	102.0	100.2	98.3	95.7	95.3	97.0	93.3	92.6						
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	98.2	103.5	106.8	109.2	113.0	117.5	119.9	121.5	122.6	122.3	120.7	119.1	122.7	121.7		128.8	132.5
	121.0	120.2	119.3	118.5	117.3	114.2	113.7	114.0	113.6	111.6	111.0	107.3	107.9				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	90.9	96.9	100.4	102.4	105.8	110.1	112.2	113.7	114.6	112.2	107.7	102.1	100.0	98.8		110.4	120.7
	99.7	99.5	99.4	98.7	97.4	97.3	95.1	94.1	92.7	91.6	87.4						
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	88.7	93.8	97.9	99.1	102.3	106.0	107.5	108.6	108.6	105.3	98.3	90.8	89.7	89.0		101.7	115.1
	89.4	88.5	88.8	87.3	86.1	85.1	83.3	82.4	79.7	78.0							
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	81.6	87.0	91.3	92.7	96.2	99.1	100.0	99.3	97.2	92.7	86.4	78.2	78.9	77.6		91.4	106.3
	78.1	78.6	79.1	78.6	77.7	76.7	75.0	72.6	70.4								
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	74.1	79.1	83.9	85.9	88.7	92.1	91.9	90.9	85.7	74.1	68.4	67.8	70.4	70.8		82.2	98.1
	72.1	71.6	71.7	70.7	69.5	67.2	64.3	60.2									
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	71.6	75.8	79.4	80.8	83.8	85.7	83.7	80.2	76.4	70.3	66.1	67.0	68.6	68.7		77.1	91.2
	69.2	68.9	68.3	67.4	65.3	62.1	57.2										
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	68.9	73.6	77.5	78.4	78.9	81.5	82.2	79.0	73.8	69.8	63.8	63.8	65.1	65.5		74.5	88.4
	66.8	66.7	66.7	64.7	62.1	58.2											
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	66.1	71.3	74.4	75.9	76.6	78.8	78.5	75.4	68.0	60.4	58.6	60.9	64.0	64.4		71.2	85.3
	64.4	64.0	62.9	60.4	56.8	52.5											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	65.9	70.7	74.6	73.9	75.0	76.3	76.3	73.4	69.2	63.1	59.4	59.8	62.6	63.5		69.8	83.6
	63.6	63.2	60.8	58.3	54.4	48.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-209

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 209
DATE 19 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	98.7	103.7	107.4	110.2	113.0	117.2	120.6	123.0	124.5	124.0	121.8	118.4	121.7	120.1		126.0	132.2
	118.8	117.3	115.5	113.5	111.6	108.9	108.7	109.0	108.8	106.8	105.8	102.2	102.3				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	99.2	104.1	107.8	110.7	113.5	117.2	121.1	124.0	125.9	125.3	122.6	118.1	120.9	118.8		123.7	132.4
	116.2	112.2	108.8	104.2	103.7	103.1	101.7	102.4	103.3	99.3	98.0	95.4	95.6				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	98.1	103.3	106.9	109.6	112.4	117.2	120.0	121.7	122.5	122.2	120.7	118.7	122.4	121.0		127.5	132.0
	120.4	119.5	118.0	116.2	114.2	111.3	111.2	111.5	111.2	109.4	108.4	104.7	104.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	90.7	96.7	100.4	102.7	105.2	109.6	112.4	114.2	114.5	112.4	108.1	102.3	100.8	98.1		109.6	120.7
	98.2	97.6	97.2	96.6	95.3	94.9	92.7	92.2	91.2	90.7	87.6						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	88.2	93.3	97.6	99.3	101.9	106.0	108.1	109.1	108.6	105.8	99.3	92.8	90.8	88.0		101.8	115.4
	87.5	86.8	86.5	86.5	85.3	85.1	83.4	82.3	79.5	77.4							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	81.2	86.3	90.7	92.2	95.0	98.7	100.2	99.9	97.7	92.1	86.6	75.9	74.7	74.8		90.8	106.3
	76.1	76.6	76.7	75.9	75.3	73.9	72.0	69.2	66.6								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	73.9	79.2	83.9	85.7	87.6	91.6	91.9	91.1	86.3	74.1	67.1	67.7	70.2	70.3		81.6	97.9
	71.0	70.4	69.9	69.1	67.3	65.3	62.4	58.1									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	71.1	75.7	80.6	82.3	84.1	86.9	86.5	84.5	79.2	72.9	68.9	68.1	69.1	69.1		78.2	93.0
	69.6	69.3	68.8	67.5	65.7	62.6	58.1	52.9									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	66.6	72.5	77.1	78.7	80.8	82.7	82.5	80.5	77.4	71.1	65.1	63.5	65.3	65.9		75.1	89.2
	67.8	67.3	66.5	64.6	61.7	57.6	50.3										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	62.6	68.9	73.6	76.0	78.3	81.1	79.8	77.5	72.3	63.9		61.0	63.6	64.5		71.6	86.5
	64.8	63.8	62.9	60.4	56.3	51.9											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 28 SEC							
	61.7	68.1	72.6	74.3	75.0	79.5	77.9	76.8	72.0	65.6	60.7	59.5	61.9	62.6		70.2	85.0
	63.1	63.3	61.4	58.7	54.6	48.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-210

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 210
DATE 19 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	98.5 103.9 107.2 109.8 113.5 117.3 120.2 122.8 124.4 123.8 121.6 118.0 121.2 120.0	126.1	132.1
	118.7 117.4 115.8 114.3 112.7 109.8 109.6 109.9 109.4 107.5 106.8		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 30 SEC		
	99.0 104.3 107.6 110.3 114.0 117.3 120.7 123.7 125.7 124.9 122.3 117.5 120.1 118.2	123.0	132.0
	115.3 111.2 107.5 102.7 101.9 100.8 98.9 99.2 99.5 95.5 95.0		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 29 SEC		
	97.9 103.5 106.7 109.2 113.0 117.4 119.7 121.7 122.7 122.2 120.7 118.5 122.2 121.2	128.0	132.1
	120.6 119.8 118.4 117.1 115.5 112.5 112.4 112.8 112.2 110.3 109.6 105.9 106.0		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC		
	90.9 97.0 100.3 102.3 105.9 109.8 112.3 114.3 115.1 112.8 108.3 102.8 101.6 100.1	110.2	121.1
	100.1 99.4 98.5 97.1 95.5 95.1 92.8 91.8 90.2 89.7 86.0		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC		
	88.7 93.9 98.0 99.0 102.2 105.7 107.2 108.3 108.0 104.4 97.7 90.6 87.3 86.6	100.7	114.7
	87.1 85.8 86.1 85.8 84.5 84.1 82.0 80.8 78.2 76.6		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC		
	81.7 87.3 91.9 92.9 96.0 98.7 99.5 98.7 95.2 89.6 83.8 75.6 75.9 76.3	89.3	105.6
	76.3 76.3 75.5 74.7 73.9 72.3 70.4 67.7 65.3		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 26 SEC		
	75.1 80.8 85.2 87.5 90.3 93.8 93.5 92.9 89.0 77.4 67.9 68.8 71.7 72.6	83.5	99.8
	72.7 72.5 72.0 70.7 69.2 67.1 63.5		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC		
	69.7 74.8 78.9 81.0 84.6 87.1 86.7 85.4 80.0 74.2 69.6 68.2 69.7 69.9	78.4	93.1
	70.0 69.6 68.6 67.1 64.9 61.9 57.5		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 29 SEC		
	67.7 72.4 75.8 77.9 80.5 81.9 82.0 82.7 79.5 72.3 66.0 64.2 65.6 67.0	76.0	89.5
	67.9 67.7 67.6 65.4 62.6 58.6 50.3		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC		
	64.9 70.2 74.0 75.4 77.7 79.8 77.8 77.5 73.0 62.9 58.6 60.5 63.3 63.6	71.1	85.8
	63.7 63.1 62.2 60.0 56.5 52.3		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 29 SEC		
	63.9 70.6 74.7 74.6 77.3 79.7 77.1 75.4 73.0 65.1 60.9 59.2 61.0 61.8	69.5	85.3
	62.0 61.8 59.4 56.8 52.9 46.8		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-211

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT: NUMBER 211 DATE 19 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	99.2	104.5	108.1	110.6	115.4	118.4	121.7	124.6	126.5	124.9	121.3	119.0	118.5	116.2	124.1	132.5
	114.7	112.9	111.4	112.4	112.1	109.4	108.9	109.6								
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	100.0	105.2	109.2	111.4	116.3	118.5	122.4	125.6	128.1	126.6	123.1	120.0	118.6	115.2	122.5	133.4
	110.5	103.9	99.9	95.0	93.7	92.4	91.9	92.1								
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	98.3	103.8	106.7	109.7	114.3	118.2	120.8	123.2	124.0	122.2	118.4	117.8	118.4	117.0	125.8	131.4
	116.8	115.6	114.2	115.3	115.1	112.4	111.8	112.5	111.3	109.8	109.0	105.2	105.5			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	90.3	95.8	100.5	102.0	106.3	110.1	113.8	115.7	115.3	110.7	105.4	105.8	102.9	99.2	108.7	121.3
	97.3	95.1	91.7	90.3	89.7	88.0	86.0	85.4	83.7	81.9	76.8	74.5				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	84.0	90.1	94.6	96.6	100.1	104.4	107.0	108.8	108.1	102.4	94.9	92.2	90.7	88.6	100.3	114.2
	86.9	85.7	85.6	84.6	83.7	82.6	80.9	79.3	75.8	73.5						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	79.2	84.9	89.2	91.3	94.8	98.7	100.1	99.2	94.3	84.6	76.3	75.0	77.5	78.1	90.0	105.5
	79.4	79.5	79.3	77.9	77.3	76.5										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 18 SEC	
	73.4	79.0	83.2	85.6	89.2	92.9	94.9	93.8	87.6	74.4	66.3	67.2	68.0	70.0	83.4	99.8
	71.6	71.3	71.5	70.7	69.4	67.7	64.0	59.5								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	68.0	74.2	78.8	79.6	82.8	86.5	87.4	85.8	80.8	69.1	63.1	63.6	64.6	65.3	76.6	92.8
	66.5	66.6	65.9	64.5	62.5	59.1	53.7									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	63.6	69.2	74.0	74.0	75.9	79.8	79.4	77.2	69.2	59.7		57.3	58.8	59.7	69.4	85.4
	61.1	60.7	60.2	58.8	56.1	51.8										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	62.8	67.9	72.9	73.1	74.1	75.7	75.0	71.4	68.9	61.4		57.2	58.2	59.1	67.2	82.3
	59.9	59.4	58.9	57.1	53.4	48.1										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	61.9	66.2	70.1	70.6	72.2	73.9	74.5	71.2	65.2	60.4	56.8	56.4	56.6	56.7	64.3	80.7
	56.5	55.2	54.2	51.3	46.9	41.4										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	58.0	62.4	66.3	66.8	68.8	70.4	70.1	67.6	61.7		53.6		54.5	53.9	60.7	76.8
	53.6	52.3	50.8	47.5	43.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-212

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 212
DATE 19 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.6	105.0	108.5	111.3	115.1	118.5	121.6	124.7	126.4	125.2	122.0	119.1	119.4	116.5		123.7	132.6
	115.1	112.7	110.9	111.4	110.9	107.9											
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	100.1	105.6	109.7	112.1	116.0	118.8	122.3	125.8	128.1	126.8	123.7	119.8	119.0	115.0		122.7	133.6
	109.9	102.9	99.1	94.6	92.2	91.4											
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 28 SEC							
	99.0	104.3	107.0	110.2	114.0	118.2	120.6	123.2	123.8	122.4	119.2	118.2	119.7	117.7		125.2	131.4
	117.4	115.4	113.8	114.4	113.9	110.9	109.6	110.0	109.3	107.1	105.7	101.5	101.5				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	90.3	96.5	100.8	102.4	106.0	110.4	113.4	115.5	115.1	111.1	105.9	105.3	103.2	99.9		108.8	121.2
	97.8	96.2	93.1	91.3	89.9	87.8	85.7	85.2	83.9	82.4	77.1	75.5					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	83.8	90.3	94.8	96.7	99.6	104.6	106.8	108.7	107.8	102.1	94.4	90.2	88.5	85.8		99.7	114.0
	85.6	85.2	84.7	83.3	82.1	81.0	79.5	78.3	75.3	72.9							
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 26 SEC							
	78.7	85.4	89.5	91.4	93.8	98.1	98.8	97.9	93.0	83.9	75.4	74.5	74.8	75.8		88.2	104.5
	76.6	76.3	76.3	75.9	75.0	74.3											
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 21 SEC							
	74.2	79.5	83.3	85.6	88.2	92.2	93.2	91.7	85.2	70.6	65.8	67.3	69.6	70.2		81.7	98.4
	71.0	70.1	70.4	68.8	67.5	65.8	61.4										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	68.2	74.4	78.3	79.4	82.7	86.8	86.9	84.7	79.2	68.6	63.0	63.3	64.5	64.7		75.9	92.5
	65.8	65.8	65.1	63.9	61.9	58.7	53.9										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 19 SEC							
	64.3	71.5	74.8	76.1	76.6	79.0	75.8		69.6			59.2	60.0	60.5		68.9	84.3
	61.6	61.2	61.0	59.5	56.1	51.7											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	64.8	70.4	73.6	73.7	75.4	76.6	74.2	70.1	67.5			58.9	59.0	59.0		66.7	82.7
	59.8	59.1	58.3	56.4	52.1	46.7											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	63.6	68.9	72.6	73.0	74.8	76.2	72.9	69.4	66.3	61.8	59.3	58.6	59.6	59.1		66.0	82.0
	59.0	57.9	56.6	53.9	49.8	44.1											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 28 SEC							
	60.4	65.6	69.2	69.0	71.4	72.7	69.7	67.6	63.9	59.5	56.1	57.0	56.8	57.3		63.5	78.6
	56.8	55.5	54.7	51.8	47.6	42.5											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-213

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 213
DATE 19 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.2	104.7	107.6	111.1	114.7	118.2	121.7	124.3	126.2	124.9	121.5	118.2	118.2	115.7	123.1	132.2
	114.0	112.0	110.5	110.8	110.5	107.8										
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.8	105.4	108.7	112.0	115.6	118.5	122.5	125.5	127.9	126.6	123.3	119.1	118.3	114.8	122.3	133.3
	110.1	103.4	98.9	93.6	92.7	91.4										
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	98.6	104.0	106.1	109.9	113.5	117.8	120.7	122.7	123.5	121.9	118.3	117.0	118.1	116.4	124.5	130.8
	116.0	114.7	113.4	113.8	113.5	110.8	109.8	110.2	109.6	107.3	106.1	102.6	103.2			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	91.0	96.5	100.5	103.0	106.3	110.8	114.8	116.2	115.8	111.4	106.5	105.2	102.7	98.8	109.0	121.9
	97.4	95.9	92.8	89.9	89.1	87.3	84.3	83.6	82.9	80.2	74.8	72.3				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	83.0	89.9	93.5	96.2	98.8	103.9	106.9	108.4	107.9	102.7	94.8	89.5	87.6	84.9	99.5	113.9
	84.3	83.6	82.4	81.3	81.0	80.3	79.2	77.9								
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	78.2	84.8	88.5	91.1	93.4	98.3	100.1	99.6	95.3	84.9	76.1	73.7	74.2	74.3	88.7	105.4
	74.1	74.2	74.0	73.9	72.9	72.0										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	73.5	79.4	82.6	84.6	86.5	90.5	92.4	91.0	85.7	74.1	67.5	66.3	68.2	68.0	80.8	97.5
	69.0	68.9	68.9	67.1	65.4	63.4	59.5	55.0								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	67.3	73.2	76.3	78.1	79.7	82.7	83.1	83.1	78.3	68.4	60.8	60.1	62.8	61.3	72.9	89.6
	61.4	61.5	60.6	59.8	57.5	54.0										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	62.3	69.5	72.8	74.0	72.8	74.9	75.3	70.6	64.3	57.4	54.4	55.8	59.6	58.0	66.0	82.0
	58.5	58.5	57.6	55.5	51.8	47.0										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	59.6	67.1	71.3	71.9	70.5	72.0	69.2	69.8	64.8	59.2	55.7	57.4	58.7	56.9	64.2	79.4
	57.1	56.4	55.4	52.7	48.4	43.0										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	61.4	65.7	69.6	70.1	70.0	70.1	69.2	66.5	64.6	58.6	56.4		60.0	56.0	63.2	78.1
	56.7	55.0	53.6	50.7	45.9	40.6										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	57.9	62.5	65.9	66.5	66.8	66.8	67.0	63.3	61.9	58.1	53.5		55.7	53.3	60.0	74.8
	53.9	52.2	50.8	47.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-214

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 214
DATE 23 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
Q	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.6	103.9	106.9	109.1	112.5	116.7	119.8	121.6	121.7	120.5	119.1	118.6	120.0	119.2	126.2	130.9
	116.9	115.6	115.5	113.2	113.2	110.5	110.8	112.4	112.7	113.3	112.9	113.6	112.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	90.5	95.7	99.5	101.7	104.8	109.1	110.7	111.9	111.7	107.5	99.6	90.7	95.3	96.9	109.5	118.4
	98.2	98.6	99.5	100.0	99.4	99.1	96.1	94.1	93.6	93.0	89.1	88.0				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	88.4	92.8	97.5	99.3	102.4	106.2	106.8	106.9	104.0	96.8	84.5	85.8	88.7	90.8	104.8	113.6
	93.3	94.9	96.3	96.0	95.2	94.9	92.1	89.5	87.7	85.9	81.4					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	82.3	87.0	92.3	94.0	97.0	100.0	99.9	97.3	88.7	78.7	73.7	75.8	80.1	82.2	95.6	105.9
	84.0	85.2	87.0	88.4	87.9	83.8	80.2	79.0	74.7	73.2						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	77.3	81.7	87.4	90.1	92.6	95.3	93.5	88.6	77.2	68.3	67.6	72.3	75.6	79.0	88.4	100.3
	81.0	80.9	80.9	80.5	77.6	73.8	72.0	68.1								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	73.5	77.8	83.3	84.9	86.8	87.7	83.7	77.6	70.4	65.0	65.4	69.0	71.9	73.8	82.9	93.4
	74.9	75.4	76.1	75.8	72.3	67.5	63.8	59.2								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	71.6	76.3	80.1	81.9	82.2	81.4	79.3	77.2	70.7	64.6	63.2	66.4	69.8	72.3	79.8	89.5
	73.1	73.2	73.2	70.9	68.3	63.9	58.4	52.0								
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	69.8	73.6	77.8	78.8	79.2	79.0	75.7	70.4	64.4	60.3	62.2	66.0	69.7	71.3	77.7	86.7
	71.4	71.5	71.1	68.1	64.8	61.1										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	70.8	75.6	80.0	80.6	81.1	81.3	77.0	73.2	70.3	63.7	63.1	69.0	73.5	74.8	79.0	88.7
	74.3	72.8	69.9	66.9	64.1	59.5	54.0									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-215

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 215
DATE 23 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
G	DIST FROM SOURCE: 66 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	99.6	104.3	107.4	109.2	112.9	117.1	119.7	121.8	122.0	121.1	119.8	119.2	120.3	119.6		126.4	131.2
	117.2	116.2	115.4	113.0	113.1	110.6	111.2	112.7	113.1	112.9	112.6	114.2	112.0				
A	DIST FROM SOURCE: 134 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	90.3	96.2	100.4	102.0	105.4	109.8	111.0	112.4	112.1	107.9	99.4	92.6	99.0	101.2		112.9	119.4
	102.6	103.4	104.4	104.7	103.2	101.0	98.4	98.0	96.0	96.0	92.2	91.3					
B	DIST FROM SOURCE: 238 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	88.6	93.5	98.6	99.5	102.4	106.6	107.3	107.7	104.6	97.7	84.7	85.8	90.2	93.1		106.7	114.3
	94.4	95.3	97.7	99.0	98.3	96.6	93.0	91.9	89.1	87.6	83.4	81.2					
C	DIST FROM SOURCE: 431 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	82.6	87.9	93.5	95.1	98.2	101.2	100.7	97.6	88.1	79.9	73.6	77.5	82.7	86.1		99.3	107.2
	88.1	90.3	91.9	92.2	90.1	86.1	86.7	83.2	81.6	80.1							
D	DIST FROM SOURCE: 753 METERS															OVERALL SAMPLE DURATION: 29 SEC	
	77.2	82.4	88.1	90.4	93.0	96.0	93.7	88.7	78.7	68.2	68.1	71.7	76.0	79.8		92.0	101.1
	82.5	84.5	86.2	85.0	81.4	77.4	74.0	70.4	67.6								
E	DIST FROM SOURCE: 1255 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	74.4	79.4	84.8	86.0	87.9	88.8	84.4	78.5	73.1	66.6	66.7	71.4	74.8	78.8		87.0	95.0
	81.2	81.3	80.4	78.4	73.5	70.3	67.0	62.2									
F	DIST FROM SOURCE: 1757 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	70.9	76.7	81.3	82.6	83.1	82.9	79.7	74.4	68.8	66.4	63.4	68.6	72.5	76.1		83.7	90.8
	78.0	78.5	77.1	74.4	69.8	65.7	60.3	53.8									
G	DIST FROM SOURCE: 2087 METERS															OVERALL SAMPLE DURATION: 31 SEC	
	69.1	74.1	79.1	79.1	79.1	78.5	75.0	71.6	65.7	59.9	62.1	66.7	70.4	72.1		78.7	87.0
	73.0	72.8	72.2	68.8	65.2	60.9											
I	DIST FROM SOURCE: 2377 METERS															OVERALL SAMPLE DURATION: 30 SEC	
	69.6	75.2	80.2	80.3	79.7	77.4	69.9	70.6	69.3	62.8	60.8	65.9	69.3	71.2		76.7	87.0
	70.6	70.9	69.7	66.4	63.1	57.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-216

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 216
DATE 23 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
0	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	97.2	103.7	106.9	109.3	112.9	117.0	119.9	122.0	122.4	121.5	120.0	120.0	121.4	120.5		126.5	131.5
	118.8	118.2	117.2	114.3	114.5	111.1	110.6	110.6	108.1	108.3	107.1	106.8					
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	90.2	96.1	99.9	101.9	105.3	109.4	111.4	112.6	112.3	108.3	100.0	91.8	96.4	98.2		111.6	119.2
	99.5	100.3	101.8	102.8	102.5	101.9	98.0	97.1	95.4	95.2	91.5	91.9					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	88.4	93.2	97.7	99.0	102.4	106.2	107.4	107.7	104.5	97.1	84.5	86.6	92.1	95.4		107.8	114.4
	96.1	97.2	98.8	100.1	99.8	97.5	94.0	92.3	90.5	89.0	85.0						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	81.7	87.2	92.4	94.2	97.5	100.7	101.2	99.0	90.8	79.5	74.9	78.2	82.0	85.4		99.5	107.2
	88.0	89.8	91.2	92.7	92.0	86.6	85.0	83.7	80.3	79.2							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	76.9	82.1	87.7	90.2	93.1	95.8	94.1	89.3	77.1	70.3	68.7	72.8	76.1	78.2		91.0	100.9
	80.7	82.7	83.5	83.8	81.8	79.5	76.0	72.9	71.0								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	75.1	80.3	85.7	86.9	88.9	89.2	85.2	78.1	75.5	73.4	69.8	76.1	80.5	83.7		91.7	96.9
	86.4	86.1	84.9	82.8	78.1	74.5	71.0	66.2									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	72.7	78.6	83.3	84.5	85.2	85.0	82.5	77.4	74.7	71.6	68.8	74.3	78.5	80.3		87.2	93.4
	81.8	81.0	80.4	78.0	73.9	70.5	65.2	57.7									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	70.2	75.2	80.2	80.8	80.8	78.3	75.0	73.4	70.1	65.6	68.6	71.4	74.6	74.9		81.3	88.6
	75.9	75.3	74.2	71.3	67.2	63.2											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	69.7	75.7	80.4	80.7	80.0	74.4	71.8	77.0	75.3	67.7	66.5	70.9	75.6	75.9		80.9	88.4
	75.2	74.8	73.0	70.1	66.9	61.6	54.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-217

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 217
DATE 23 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	98.5	104.1	107.4	110.8	113.5	118.5	120.6	123.4	124.4	123.7	120.1	115.3	115.0	113.6		122.9	131.0
	113.1	111.6	110.6	111.8	111.5	108.7	107.5	107.7	108.2	104.5	104.4	101.4	101.4				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	97.5	103.2	107.3	110.4	113.1	117.5	120.4	123.9	125.7	125.2	122.0	116.4	114.5	108.8		120.6	131.5
	102.2	95.7	94.6	95.1	99.2	100.4	102.0	104.9	105.2	100.4	101.3	100.1	99.1				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	99.3	104.8	107.5	111.2	113.9	119.3	120.8	122.9	122.6	121.2	116.8	113.7	115.5	115.8		124.4	130.4
	115.9	114.5	113.6	114.8	114.4	111.4	109.9	109.3	109.9	106.6	106.2	102.3	102.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	92.4	97.4	101.6	104.1	106.5	112.5	114.5	116.1	115.1	109.3	101.4	95.4	94.9	97.4		112.8	121.8
	98.5	98.5	99.0	100.2	101.8	102.1	102.5	102.3	100.8	99.0	96.2	94.9	91.5				
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 30 SEC							
		91.5	95.6	98.1	101.0	106.1	107.2	108.1	105.1	97.1	84.4	83.1	85.3	88.5		105.0	113.8
	90.3	91.5	92.7	93.5	94.5	94.9	95.1	94.5	93.5	92.2	89.5	88.9	85.4				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	79.9	85.9	90.7	93.0	95.8	100.7	101.3	99.8	90.1	77.1	70.3	74.4	76.8	78.6		93.9	106.6
	80.6	82.3	84.0	83.9	84.5	84.7	84.4	83.6									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 22 SEC							
	74.0	80.4	85.3	87.2	89.9	93.8	94.0	91.4	82.4	67.4	63.0	65.3	68.1	69.6		82.6	99.3
	70.9	70.6	70.4	70.7	71.3	70.2	67.6	64.8									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	68.1	74.6	79.1	80.4	82.6	86.5	86.2	82.6	75.7	63.7	59.5	61.5	62.6	64.2		75.7	91.8
	64.9	65.0	65.6	66.2	64.7	62.4	59.2	56.7									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	64.9	70.1	75.0	75.6	75.3	77.4	74.7	71.1	64.6	55.5	54.5	58.1	59.6	61.9		70.1	83.5
	63.0	62.5	62.3	60.8	59.3	56.8											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	62.7	67.2	71.8	72.0	72.5	73.6	71.4	66.6	62.8	57.5	54.4	56.9	57.8	59.1		67.0	80.2
	59.6	59.3	59.0	58.5	56.3	53.6											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 30 SEC							
		67.8	71.9	71.2	70.5	73.0	72.0	68.2	63.8		54.1	56.9	57.6	59.4		66.3	79.7
	59.7	58.7	58.1	56.9	55.1	53.0											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	61.3	64.2	68.8	68.7	68.2	69.6	68.4	66.2	62.3					56.6		62.7	76.5
	56.9	56.6	55.9	55.4													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-218

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 218
DATE 23 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	98.6	103.2	107.3	110.6	113.5	118.5	120.5	123.4	124.4	123.9	120.5	115.5	115.0	113.3	122.9	131.0
	112.9	111.5	110.4	111.8	111.4	108.7	107.7	107.9	108.2	104.9	104.1	101.1	101.5			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	97.7	102.4	107.2	110.3	113.1	117.4	120.3	123.8	125.7	125.4	122.3	116.6	114.6	108.7	120.7	131.5
	102.0	95.6	94.2	94.7	98.7	99.9	101.7	104.8	105.1	100.1	101.1	99.7	98.9			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	99.4	104.0	107.4	111.0	113.9	119.3	120.7	122.9	122.6	121.5	117.3	114.0	115.4	115.5	124.4	130.5
	115.7	114.4	113.3	114.7	114.3	111.5	110.1	109.7	110.0	107.1	105.8	102.2	103.1			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	92.5	96.5	101.4	103.7	106.5	112.5	114.4	116.0	115.1	109.4	101.4	95.1	94.6	96.5	111.9	121.7
	97.4	97.6	98.5	99.2	100.7	101.0	101.3	100.9	99.2	97.6	95.0	93.5	90.1			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	85.0	90.4	95.9	98.4	101.2	106.6	107.8	108.5	105.4	97.3	84.2	83.4	85.5	87.6	103.6	114.1
	88.9	88.6	89.6	91.2	92.8	93.5	93.7	92.9	91.2	89.3	86.6	85.4	82.4			
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	80.5	85.3	90.7	92.7	95.5	100.5	101.1	99.7	90.2	76.9	69.6	73.4	75.3	76.7	91.5	106.3
	79.3	78.5	80.1	80.9	81.7	81.9	81.9									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 16 SEC	
	74.5	79.8	85.1	87.6	90.1	94.4	94.7	91.9	82.6	66.6	63.3	65.5	67.8	70.3	83.6	99.8
	72.2	72.2	72.8	72.4	71.9	71.6	69.3	66.0								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	67.9	73.0	78.6	80.1	82.2	85.6	84.9	81.8	75.6	63.8	57.5	60.3	61.9	63.9	74.4	91.0
	64.2	64.0	64.1	63.3	62.6	60.5	57.2									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 29 SEC	
		67.2	72.9	74.4	75.4	78.1	74.3	70.3	63.1	52.6	52.4	56.2	57.6	58.9	67.5	83.0
	59.8	59.3	59.3	58.1	56.5	53.7										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC	
		64.1	68.9	67.5	68.7	70.6	68.1	65.2	61.0				55.6	56.7	63.1	76.8
	56.6	55.3	54.7	53.4	51.2	49.7										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 24 SEC	
			60.3	67.2	67.7	69.6	67.0	64.7	60.9				55.7	56.7	62.6	75.6
	57.2	56.1	55.2	53.6	51.6											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 29 SEC	
		61.1	64.5			65.3	67.3	64.6	62.7							
		53.3														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 219
DATE 23 SEP 80

MICROPHONE:
ARRAY 04

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-219

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 98.3 103.5 106.8 110.3 113.5 118.4 120.8 123.3 124.4 123.8 120.3 115.6 115.5 113.8 113.2 111.4 110.2 111.5 111.4 109.0 108.3 108.3 108.0 104.9 104.5 101.2 101.4	123.0	131.0
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 97.4 102.7 106.7 109.9 113.0 117.4 120.6 123.7 125.6 125.3 122.1 116.7 114.9 109.2 102.7 95.6 94.1 94.2 98.0 99.1 100.6 103.5 103.7 98.9 99.7 98.1 96.9	120.5	131.5
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 99.0 104.2 106.9 110.7 113.9 119.3 121.1 122.9 122.6 121.4 117.1 114.3 116.1 116.0 116.0 114.4 113.2 114.4 114.3 111.8 110.9 110.5 110.1 107.3 106.7 103.0 103.5	124.5	130.6
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 92.1 96.6 100.9 103.3 106.5 112.4 114.6 115.9 114.9 109.4 101.8 96.4 95.7 97.3 98.1 97.9 98.0 98.5 99.7 99.9 99.8 99.8 98.5 97.0 94.8 93.3 89.6	111.3	121.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 84.3 90.4 95.5 97.7 101.1 106.3 107.9 108.4 105.2 97.3 84.6 83.5 86.2 88.8 90.1 90.5 91.5 92.3 93.1 93.1 92.4 91.2 89.8 89.0 85.2 83.6	103.3	114.0
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 30 SEC 79.7 85.1 90.1 92.2 95.5 100.4 101.4 99.7 90.3 76.5 69.8 74.1 77.1 79.0 80.5 80.3 80.6 80.5 80.9 81.1 82.3	91.6	106.3
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 24 SEC 74.5 80.5 85.4 87.6 90.7 94.6 95.1 92.3 82.8 66.8 63.0 67.3 69.5 71.5 74.1 74.4 74.7 75.1 75.4 74.6 72.3 69.9 66.7	85.4	100.2
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 30 SEC 67.8 72.6 77.3 78.9 81.7 85.4 85.3 82.3 76.0 64.1 58.8 60.6 62.0 63.8 64.6 64.6 64.9 64.0 62.8 60.8 57.9 55.3	74.8	90.9
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC 68.8 73.8 74.7 76.2 78.3 74.5 70.5 64.8 53.9 52.6 56.4 58.2 59.9 60.6 60.1 60.1 59.2 57.7 54.8	68.4	83.5
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 30 SEC 62.0 66.6 71.2 70.9 72.8 73.8 70.6 67.4 63.6 56.0 56.2 57.6 58.1 57.5 57.2 56.5 53.8 51.5	65.4	79.9
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 30 SEC 66.2 69.7 69.2 71.7 72.7 70.6 68.3 63.1 55.9 57.1 57.8 57.0 56.3 54.8 53.1	64.1	78.8
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC 62.1 65.5 67.1 68.8 69.5 67.7 65.1 60.6 54.2		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-220

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 220
DATE 23 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
Q	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	97.8	104.0	106.8	109.0	112.9	116.8	119.9	121.9	121.9	120.8	119.1	119.5	120.7	120.1	126.0	131.0
	117.7	116.8	116.6	113.9	114.4	111.0	110.4	110.2	107.6	107.4	106.4	105.1	103.1			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	90.7	96.5	99.6	101.5	105.0	108.8	110.4	111.8	111.5	107.3	99.0	91.8	96.5	98.0	110.5	118.4
	99.3	99.1	100.8	102.2	101.4	99.8	96.4	95.7	93.8	94.1	91.1					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	88.9	93.6	97.5	98.6	101.8	105.3	106.2	106.3	103.4	96.8	89.5	82.7	87.2	90.2	103.7	112.9
	91.4	91.8	93.2	94.8	95.2	94.6	91.0	88.4	86.7	85.2						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 27 SEC	
	82.5	87.8	92.3	93.6	96.9	99.6	99.5	96.6	88.3	78.5	71.9	74.4	78.5	81.3	94.8	105.5
	82.7	84.0	85.7	86.8	87.4	84.6	80.0	78.2	74.7							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 27 SEC	
	77.9	82.2	87.1	89.3	92.2	94.6	92.6	87.2	76.3	66.2	66.2	70.9	73.8	75.7	86.5	99.5
	76.9	77.8	78.4	78.9	77.8	73.2	69.3									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 27 SEC	
	71.8	75.7	80.9	81.6	82.8	83.1	78.8	73.7	68.0	62.8	60.9	66.1	68.4	69.9	78.9	89.6
	71.2	71.8	72.4	71.4	67.7	62.5	59.3	55.0								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	72.1	75.6	79.3	80.2	80.1	80.2	77.1	72.8	68.1	63.8	60.8	64.6	67.1	69.2	77.5	87.7
	70.5	71.2	70.2	69.4	66.5	62.4	56.5									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 28 SEC	
	68.7	73.8	78.2	78.3	78.4	77.8	75.1		64.0	58.8	60.7	64.9	68.0	69.4	75.8	85.9
	70.1	69.3	69.0	66.3	62.7	58.5										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 27 SEC	
	70.0	75.1	79.5	79.6	79.4	78.4	74.5	73.1	70.5	62.0	60.5	66.1	69.4	71.5	77.1	87.1
	72.6	71.6	69.2	65.2	62.9	57.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 221
DATE 23 SEP 80

MICROPHONE:
ARRAY 03

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-221

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
Q	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	98.9	102.9	106.3	108.3	112.3	116.0	119.2	120.8	121.5	120.2	119.2	118.4	120.0	119.0	125.0	130.2
	116.4	116.0	116.0	112.7	112.9	109.7	109.8	109.2	108.0	106.4	105.7	104.5				
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	90.6	95.7	99.4	101.3	104.8	108.8	110.8	112.0	111.7	107.3	98.9	91.4	96.9	98.4	110.6	118.6
	99.3	100.0	101.3	102.2	101.1	99.8	96.7	95.7	93.9	94.1	90.1	90.3				
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	88.9	93.1	97.5	98.7	101.7	104.8	105.5	105.8	103.2	96.5	84.3	84.3	88.2	90.9	104.0	112.6
	91.9	93.6	94.8	95.6	95.0	94.4	91.0	88.9	86.4	84.5	80.6					
C	DIST FROM SOURCE: 431 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	82.3	87.6	92.8	94.6	98.0	100.6	100.3	97.4	98.7	76.7	73.3	77.1	81.8	84.6	98.0	106.6
	86.1	89.3	91.1	91.6	87.8	84.3	84.4	80.0	78.3							
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 27 SEC		
	76.9	81.7	87.2	90.0	93.0	95.5	93.4	87.7	77.1	67.4	67.2	72.1	75.4	78.1	88.7	100.4
	79.9	81.1	82.0	81.4	78.0	74.5	71.8									
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	72.3	76.2	81.6	83.5	85.6	86.0	82.0	74.9	68.8	65.1	64.4	70.2	72.7	74.9	84.6	92.3
	77.2	79.5	78.8	75.4	71.4	68.1	65.0	59.7								
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	71.6	74.8	79.3	80.9	81.3	80.1	77.3	71.4	67.5	63.2	61.9	66.5	68.8	70.3	78.9	88.2
	71.8	72.5	72.4	70.6	67.8	63.5	56.6									
G	DIST FROM SOURCE: 2087 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	68.3	72.3	76.9	78.3	79.4	78.6	74.0	72.4	67.5		61.5	66.3	70.3	71.2	77.1	86.1
	71.0	71.0	70.1	67.2	64.1	59.2										
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 30 SEC		
	68.7	73.7	78.1	78.9	79.7	79.3	72.1	68.8	71.1	61.7	62.5	69.2	72.2	74.1	78.7	87.0
	74.0	72.8	70.2	66.8	64.1	58.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-222

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 222
DATE 23 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	97.9	102.8	105.8	109.3	113.4	117.1	120.1	123.0	124.0	121.7	119.0	115.6	114.1	113.3	122.7	130.3
	112.7	111.4	111.2	112.4	111.6	108.9	107.7	108.1	108.1	104.6	103.9	101.2	101.3			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	97.1	102.0	105.7	108.8	112.9	116.0	119.7	123.3	125.2	123.2	120.9	117.0	113.5	107.9	119.9	130.6
	101.7	95.9	95.8	96.7	100.0	100.9	102.4	105.5	106.0	100.2	100.9	100.0	98.9			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	98.5	103.5	105.9	109.8	113.8	118.0	120.4	122.6	122.4	119.5	115.6	113.6	114.6	115.6	124.4	130.0
	115.6	114.4	114.1	115.4	114.4	111.6	110.1	109.7	109.5	106.7	105.6	102.2	102.8			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	91.6	96.3	100.1	102.8	106.4	111.3	114.2	115.9	114.7	107.8	100.5	94.2	94.2	97.3	113.1	121.4
	98.4	98.8	99.8	101.0	102.6	102.8	102.4	102.3	101.1	99.7	97.4	95.8	92.2			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	83.9	90.3	94.8	97.4	100.7	105.6	107.7	108.5	105.4	96.0	83.7	84.3	86.3	89.1	104.8	114.0
	90.4	91.6	93.0	93.5	94.3	94.7	94.5	94.1	92.6	91.7		86.4	84.0			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	79.0	84.7	89.3	91.9	95.1	99.6	100.2	97.3	86.3	75.7	69.8	73.8	76.2	79.1	94.0	105.2
	82.2	83.9	84.6	84.0	84.9	84.6	84.2	83.8								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	73.1	79.0	83.9	86.3	89.3	92.8	93.4	90.0	80.5	66.1	63.1	65.3	66.9	69.2	82.2	98.4
	69.8	69.9	70.9	71.0	71.6	70.7	68.3	65.5	62.9							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
		71.6	75.9	77.7	80.6	83.5	83.1	78.9	71.2	58.3		57.7	59.3	61.5	72.7	88.8
	63.2	63.1	63.2	62.6	61.5	59.3	55.6									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 29 SEC						
		68.0	71.6	72.5	74.4	76.6	73.1	70.3	63.0	53.0	54.3	54.9	56.1	57.8	66.5	81.7
	58.8	58.3	58.1	57.4	55.6	52.6										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 29 SEC						
		66.1	69.0	69.4	69.9	69.9	69.3		62.1				54.4	55.9	69.0	76.7
	55.8	55.2	54.9	54.4	51.7	48.7										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 29 SEC						
		65.8	68.7	68.8	69.3	70.1	68.7							55.6	62.3	75.0
	55.8	55.1	54.8	53.6	51.6	48.7										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 29 SEC						
				65.8	67.0	67.6	65.5	63.2	58.6					54.1		
		52.4	52.8	52.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-223

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 223
DATE 23 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	97.2	103.6	106.1	109.0	113.1	117.0	119.7	123.0	123.8	121.6	119.0	115.6	114.1	113.2		122.6	130.1
	112.7	111.2	111.0	112.3	111.6	109.0	107.6	107.7	107.8	104.3	104.2	100.9	100.8				
S	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	96.0	102.7	105.9	108.5	112.6	115.8	119.3	123.3	125.0	123.0	120.9	117.0	113.6	108.1		119.6	130.4
	102.0	95.6	95.0	95.8	99.0	99.8	101.2	104.2	104.8	99.1	99.8	98.7	97.7				
T	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	98.1	104.3	106.2	109.4	113.6	117.9	120.0	122.6	122.2	119.4	115.6	113.7	114.6	115.5		124.3	129.8
	115.5	114.2	113.9	115.3	114.5	111.7	110.1	109.7	109.6	106.6	106.3	102.3	102.6				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	91.8	96.6	100.0	102.2	106.0	111.0	113.7	115.8	114.4	107.4	100.3	93.6	93.9	96.6		112.4	121.1
	97.6	97.7	98.8	100.3	102.0	102.0	101.4	101.3	100.4	99.3	97.4	95.9	92.3				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	83.8	91.1	95.0	97.1	100.6	105.5	107.4	108.5	105.3	96.1	84.5	84.7	85.1	87.6		103.1	113.7
	88.7	89.3	90.6	91.5	92.5	92.7	92.3	91.9	90.2	90.0	86.3	83.9					
C	DIST FROM SOURCE: 423 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	78.9	85.3	89.4	91.4	94.9	99.4	100.0	97.9	86.9	75.2	71.1	73.9	78.0	79.5		94.5	105.2
	80.7	81.8	83.9	84.7	85.5	85.5	86.4										
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	73.2	80.2	84.0	85.6	89.0	92.6	93.2	90.2	80.3	64.6	61.6	65.0	67.0	68.9		82.4	98.3
	70.4	71.0	71.8	72.0	71.5	70.6	67.6	64.6									
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	67.1	72.2	76.1	76.8	79.6	82.6	82.2	79.4	70.9	58.1	56.5	57.8	59.5	61.5		72.6	88.2
	62.4	63.2	63.3	63.2	61.7	59.4	57.2										
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 30 SEC					
		69.8	72.5	72.6	73.6	74.7	70.5	68.9	61.4	52.7	53.8	55.3	56.9	58.9		67.4	80.9
	59.8	59.7	59.8	58.9	56.8	54.0											
G	DIST FROM SOURCE: 2079 METERS											OVERALL SAMPLE DURATION: 26 SEC					
	61.2	67.1	69.9	70.9					61.4				54.1	55.7		62.9	75.6
	56.4	56.0	55.6	54.8	52.0	49.6											
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	61.8	67.3		69.3	70.8				66.1	60.4			53.7	54.8		61.6	75.5
	55.3	54.6	54.3	53.0	51.4												
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	58.3	64.4				69.0			64.1	59.2		50.1		53.4			
	53.6				49.2												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-224

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 224
DATE 23 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	97.3	102.4	105.7	108.9	112.9	117.2	120.2	122.7	123.9	121.7	118.9	115.8	114.4	113.2	122.8	130.2
	112.9	111.4	111.0	112.5	112.0	109.2	108.1	108.2	108.1	104.7	104.5	101.2	101.5			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	96.1	101.6	105.6	108.4	112.4	116.1	119.8	123.0	125.0	123.2	120.7	117.0	113.8	108.1	119.6	130.4
	102.1	95.6	95.2	95.7	98.9	99.6	101.0	104.2	104.7	99.1	99.8	98.8	98.1			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	98.3	103.2	105.9	109.4	113.3	118.1	120.6	122.4	122.4	119.6	115.6	113.9	114.9	115.5	124.6	130.0
	115.8	114.3	114.0	115.5	114.9	112.0	110.6	110.2	109.9	107.1	106.7	102.7	103.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	92.2	96.2	100.1	102.8	106.2	111.7	114.7	116.0	114.9	108.1	100.8	94.9	94.9	96.8	112.5	121.6
	97.5	97.6	98.9	100.4	102.1	102.1	101.5	101.4	100.3	98.7	96.7	95.2	91.6			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	84.0	89.9	94.5	97.1	100.4	105.8	107.8	108.2	105.2	96.0	83.9	83.8	85.9	88.3	102.6	113.7
	89.4	90.1	91.0	91.4	91.9	91.9	91.3	90.7	89.3	89.0		82.2				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	79.1	83.9	88.8	91.2	94.3	99.2	100.1	97.2	86.5	73.9	68.9	73.2	75.9	77.5	91.9	104.8
	78.2	78.1	80.0	81.4	82.2	83.0										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	73.2	78.7	83.2	85.3	88.2	92.2	93.1	89.5	80.0	64.7	61.8	64.7	67.1	69.1	81.6	97.8
	70.0	69.9	70.6	70.6	70.0	69.4	66.6	63.8	60.5							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
		71.5	76.1	77.5	79.9	83.2	82.7	78.1	70.9	60.4	56.0	58.5	60.5	62.2	72.6	88.4
	62.5	62.7	62.9	63.0	62.0	59.6	56.2	53.0								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
		68.2	71.5	71.9	72.9	74.9	71.1	66.5	60.8	52.8	52.0	56.7	57.7	58.6	65.9	80.3
	59.0	58.3	57.8	56.3	54.5	51.4										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	62.6	66.4	70.0	69.8	70.1	71.6	68.9		60.6		52.0		54.7	56.6	63.9	77.3
	57.2	56.5	56.3	55.4	52.7	49.5										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 30 SEC						
		64.9	68.6	68.3		72.6	68.3						54.5	55.0	62.2	75.3
	55.0	54.6	54.6	53.1	51.0	47.7										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC						
			66.2	65.8		68.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-235
DATE 05 FEB 87
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STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 235
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	100.3	106.2	109.9	112.6	116.1	120.3	123.1	125.6	127.0	126.5	123.9	122.0	124.2	121.9	128.3	134.7
	120.7	119.3	116.9	114.4	113.2	111.8	112.0	113.1	112.2	110.0	110.4	106.1	106.3			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.8	105.8	109.5	112.4	116.0	119.5	123.2	126.2	128.2	127.6	124.8	121.6	123.2	119.8	126.1	134.6
	114.8	107.5	102.8	105.8	108.6	109.7	110.2	112.4	111.3	108.1	109.7	105.8	105.5			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	100.8	106.6	110.2	112.7	116.2	121.0	123.1	124.8	125.5	125.0	122.8	122.4	125.1	123.3	129.7	134.7
	123.1	122.2	119.8	117.1	115.4	113.2	113.3	113.7	112.9	111.3	110.9	106.4	107.0			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	92.6	97.5	101.4	103.5	107.0	111.2	113.6	115.0	114.4	109.3	97.9	96.9	102.2	104.2	116.3	121.9
	106.4	107.5	108.6	108.3	106.5	103.6	101.5	101.5	100.6	99.2	95.7	94.4	92.3			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	90.6	94.8	99.4	100.7	104.2	108.0	109.3	108.9	104.2	92.8	84.5	91.2	97.2	100.8	112.9	117.1
	104.1	106.4	107.5	104.8	98.6	100.7	96.3	95.8	94.0	90.7	86.4	84.0				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	83.3	88.4	93.5	95.4	98.7	101.6	100.9	95.2	85.0	79.7	71.5	78.9	85.5	89.5	101.8	107.8
	93.3	95.8	95.0	93.6	92.5	84.8	87.2	83.1	82.0	78.9	74.8					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	78.2	83.4	89.0	91.6	94.1	96.5	93.5	87.2	77.4	67.2	66.2	70.5	74.5	77.2	91.2	101.4
	81.8	83.5	83.2	85.9	81.3	73.6	73.7	70.3								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	76.8	82.4	87.5	88.7	90.2	90.5	86.5	82.5	75.0	68.8	69.8	73.2	76.6	79.7	87.4	97.0
	81.4	81.4	79.4	79.6	74.3	70.6	68.2	63.4								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	76.9	82.1	86.0	86.0	84.3	81.4	78.7	81.7	81.1	77.1	75.3	83.4	87.2	89.0	93.7	97.4
	89.3	88.2	85.7	79.5	78.6	76.1	69.8	65.8	62.0							
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	77.3	82.5	87.1	86.6	84.4	83.3	81.3	84.1	82.9	79.4	78.7	83.6	83.6	83.4	88.9	95.7
	84.6	81.7	79.6	77.8	74.3	70.4										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	77.3	82.5	86.3	84.3	77.3	84.2	87.0	88.4	78.4	76.7	82.0	84.4	85.1	83.6	88.1	95.9
	82.7	79.8	77.7	75.0	70.5	66.3										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	77.9	82.7	85.5	81.6	78.7	80.5	89.0	90.0	83.8	75.0	72.1	80.6	85.0	86.2	88.8	97.0
	84.6	80.4	76.5	74.8	70.9	66.0										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-236

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 236 DATE 24 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87

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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	100.5	106.3	109.9	112.9	116.3	120.6	123.6	125.9	127.3	126.8	124.5	122.5	124.3	121.9		128.3	134.9
	120.5	119.1	116.6	114.4	113.3	111.8	112.2	113.2	112.3	110.1	110.4	106.2	106.5				
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	100.1	106.0	109.6	112.9	116.3	119.9	123.7	126.6	128.4	128.0	125.4	122.2	123.5	120.0		126.4	135.0
	114.9	107.4	103.0	106.2	108.7	109.8	110.5	112.5	111.4	108.2	109.6	105.5	105.5				
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	100.9	106.5	110.1	113.0	116.4	121.2	123.4	125.1	125.6	125.2	123.3	122.7	125.0	123.2		129.7	134.8
	122.9	122.0	119.5	117.0	115.5	113.2	113.4	113.7	113.0	111.5	111.1	106.7	107.3				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	92.6	97.5	101.2	103.5	107.0	111.3	114.0	115.5	114.7	109.5	98.8	97.3	102.6	103.7		114.8	121.8
	104.9	105.6	106.9	107.0	104.1	101.4	100.8	99.5	98.6	97.2	93.7	92.6	91.0				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	90.4	94.7	99.1	100.9	104.2	108.2	109.5	109.0	104.4	93.1	82.4	89.3	96.2	100.1		111.4	116.6
	102.8	104.6	105.5	102.7	98.0	100.1	95.2	94.5	93.0	90.1	86.4	85.4					
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	82.5	88.8	94.0	96.7	100.0	102.9	102.2	96.5	87.4	78.7	75.4	82.8	88.4	93.9		103.1	109.2
	98.5	98.0	94.6	94.3	88.7	88.9	85.6	81.7	78.6	76.1							
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	79.4	84.8	90.2	92.8	95.1	97.3	93.3	86.5	80.9	73.3	71.8	77.3	82.4	88.1		95.8	102.8
	90.6	88.5	90.3	86.2	80.7	80.2	78.5	75.9	71.9								
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 29 SEC					
	77.8	83.1	88.1	89.4	90.2	88.6	81.8	79.6	76.6	75.7	73.9	81.8	86.4	88.5		95.0	99.1
	89.9	89.6	87.0	85.4	79.2	78.9	77.1	72.8	69.7								
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	76.8	82.1	85.8	85.9	82.9	78.4	83.2	85.6	83.4	79.4	76.1	79.1	78.2	82.0		89.9	95.3
	83.8	84.9	83.1	79.2	77.3	74.9	69.1	63.8									
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	75.7	80.5	84.2	81.4	75.9	82.0	81.3	82.3	82.2	75.4	78.8	86.8	88.2	86.3		90.7	95.7
	86.6	83.1	79.7	75.8	73.0	68.2											
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 31 SEC					
	75.7	80.0	81.8	74.2	80.3	84.3	85.1	87.7	84.2	74.4	80.7	85.7	87.4	86.3		90.5	96.1
	86.3	83.0	78.9	76.2	72.5	67.9											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 30 SEC					
	77.8	81.5	82.0	76.3	84.5	87.1	88.1	89.3	86.6	73.9	78.9	86.6	88.7	88.4		91.1	97.7
	85.4	82.5	79.3	77.8	73.0	68.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 237
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-237

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	100.3	106.5	109.9	113.0	116.4	120.5	123.3	125.6	127.0	126.5	124.3	121.8	123.7	121.5		127.9	134.6
	120.4	118.7	116.3	114.1	113.0	111.4	111.7	112.6	111.6	109.5	109.6	105.3	105.7				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	99.9	106.2	109.6	113.0	116.3	119.7	123.4	126.2	128.2	127.6	125.1	121.4	122.6	119.3		125.8	134.6
	114.2	106.6	102.1	105.5	108.1	109.4	110.1	112.0	110.7	107.5	108.7	104.4	104.7				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	100.6	106.7	110.1	113.1	116.5	121.2	123.2	124.9	125.5	125.0	123.1	122.1	124.5	123.0		129.3	134.6
	122.8	121.6	119.3	116.8	115.2	112.7	112.9	113.1	112.3	110.9	110.4	106.0	106.6				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	92.2	97.3	100.9	103.3	106.7	110.9	113.1	114.4	113.8	108.5	97.9	94.2	98.9	100.4		112.3	120.6
	101.7	102.5	103.8	104.2	101.8	98.7	99.2	96.7	96.5	94.7	91.4	91.5					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	90.3	94.5	98.9	100.4	103.5	107.6	108.6	108.0	103.7	93.5	81.8	86.0	91.8	94.6		107.8	115.1
	97.0	99.2	101.6	100.8	94.9	95.8	93.3	91.2	89.5	86.7	83.3						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	82.4	88.8	93.5	95.8	99.2	102.3	101.4	96.4	85.6	79.5	72.4	76.9	81.8	86.0		98.2	107.6
	89.6	92.3	91.4	90.2	85.8	83.7	83.2	78.0	77.4	74.7							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	78.9	84.4	89.9	92.5	94.2	96.3	92.5	85.5	78.0	67.2	68.7	75.2	79.7	84.4		93.6	101.7
	88.4	88.6	85.6	84.6	79.0	79.1	76.8	73.7									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	76.9	82.0	87.4	88.9	90.0	88.6	82.5	78.2	78.2	72.0	72.3	79.0	81.6	84.0		90.2	97.0
	85.8	84.5	83.3	77.2	75.1	72.8	70.0										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	76.8	82.1	85.6	85.8	83.6	80.5	79.9	82.7	82.1	78.4	72.1	74.8	80.9	82.6		87.9	94.3
	83.2	82.5	80.0	75.0	73.0	70.9	63.6	58.7									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	75.8	80.8	84.6	83.4	78.5	78.5	77.8	78.4	74.7	70.3	74.4	81.1	84.8	85.4		88.8	93.7
	85.4	81.4	77.6	74.3	72.7	66.5											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	75.5	79.9	82.2	76.9	75.3	83.5	85.6	87.1	82.1	72.0	76.4	81.7	83.4	83.8		87.7	94.4
	83.4	79.7	77.2	75.0	71.2	66.7											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	76.5	80.5	81.3	74.1	82.0	86.2	88.8	90.2	85.7	75.5	80.3	87.8	90.4	88.5		91.6	98.0
	86.4	81.3	77.8	76.4	72.5	68.2	63.4										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-238

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 238
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	100.0	106.3	109.8	112.8	116.4	120.3	123.1	125.7	126.8	126.5	124.2	121.6	123.6	121.6		128.1	134.5
	120.3	119.0	116.8	115.0	113.8	111.6	111.8	112.6	111.6	109.7	109.8	105.5	105.9				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	99.8	105.9	109.5	112.6	116.3	119.6	123.1	126.4	128.0	127.6	125.1	121.1	122.4	119.2		125.5	134.5
	113.8	106.3	101.2	104.9	107.5	108.9	109.4	111.3	109.9	106.9	108.1	103.8	104.0				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	100.3	106.7	110.1	112.9	116.6	120.9	123.1	124.9	125.1	124.9	123.1	122.0	124.6	123.2		129.6	134.6
	122.8	121.9	119.7	117.8	116.3	113.3	113.3	113.6	112.8	111.4	111.0	106.7	107.2				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	91.7	97.3	100.9	103.0	106.5	110.5	112.7	114.3	113.4	108.5	98.1	93.8	98.9	99.3		111.5	120.3
	100.0	100.6	102.8	103.3	101.5	98.0	97.9	96.2	95.0	93.3	89.8	89.4					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	90.0	94.4	99.0	100.8	104.2	107.9	108.7	108.2	103.6	94.0	82.2	86.3	91.7	94.8		107.6	115.2
	97.0	99.0	101.3	100.7	94.7	94.9	94.0	90.1	90.7	86.2	83.7						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	82.3	88.7	94.0	96.5	100.2	103.3	102.8	98.5	88.1	79.0	74.3	79.1	87.0	92.8		100.5	109.0
	96.3	94.8	90.0	89.5	89.7	85.7	84.6	79.9	78.5								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	77.8	84.4	90.1	92.8	94.3	95.8	91.1	84.3	77.2	69.8	73.4	79.7	84.7	87.4		92.7	101.5
	86.2	88.5	85.4	79.9	75.6	76.0	70.8	69.8									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	77.0	82.8	87.8	88.4	88.4	86.6	81.4	77.0	76.3	68.9	67.7	74.3	78.3	82.3		87.3	95.7
	82.0	82.5	79.4	75.4	71.0	70.5	68.2	61.9									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	76.7	82.9	87.0	87.5	85.7	83.9	77.9	82.3	82.2	77.8	76.0	84.0	86.9	85.9		90.4	96.3
	84.4	83.6	80.2	76.9	78.2	74.8	67.7	62.7									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 26 SEC		
	75.9	80.9	84.9	83.7	80.6	81.1	81.0	84.5	80.7	75.9	75.4	77.7	80.4	82.7		89.1	94.3
	85.0	84.5	80.5	76.5	75.0	70.5											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	75.2	80.4	82.8	76.8	75.3	82.8	84.3	86.9	82.0	73.3	79.3	85.6	88.2	85.8		90.6	95.8
	86.3	82.1	78.4	78.7	74.5	70.6											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	76.2	80.7	81.7	73.1	81.4	85.6	87.1	88.8	84.1	74.2	80.2	87.2	88.7	89.5		91.5	97.3
	86.3	81.2	78.3	78.3	74.1	71.0	65.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-239

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 239
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	100.7	105.3	108.4	111.9	114.6	119.4	121.8	123.9	124.7	123.2	119.7	115.2	115.0	114.3	123.6	131.4
	114.2	112.6	111.6	113.0	112.8	110.3	109.5	109.0	109.1	105.5	104.4					
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	98.8	104.0	107.7	110.9	113.7	117.8	121.2	124.1	125.8	124.6	121.2	115.7	112.7	106.9	119.7	131.3
	101.2	95.3	94.2	95.2	98.2	98.6	99.6	102.2	101.6	95.5	96.6					
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	101.9	106.4	108.9	112.7	115.4	120.5	122.3	123.7	123.3	121.2	117.1	114.6	116.5	116.9	125.7	131.4
	117.1	115.6	114.6	115.9	115.7	113.2	112.3	111.5	111.7	108.3	107.1	102.4	103.3			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	93.4	98.2	102.5	105.5	107.7	114.2	116.0	117.1	116.0	109.9	101.4	95.7	96.4	98.1	111.1	122.8
	98.8	98.2	97.9	98.6	99.3	99.2	98.8	98.5	96.3	95.2	91.7	89.5	85.8			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	85.4	88.8	93.0	94.6	96.2	101.4	102.3	102.5	100.8	100.5	100.0	94.6	92.9	92.5	101.1	110.2
	91.6	90.4	89.8	89.3	89.0	88.1	87.2	86.0	83.2	81.0	77.7					
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	80.7	85.8	90.7	93.3	95.4	100.6	100.6	98.1	87.7	74.6	66.4	68.7	70.8	72.2	87.0	105.7
	71.9	72.3	73.1	73.3	72.2	71.3										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	75.0	80.4	85.2	87.4	88.8	93.3	92.9	89.0	78.6	63.0	61.3	63.7	65.6	67.0	79.6	98.3
	66.8	66.9	66.7	65.9	64.8	62.9	59.7	55.8								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	70.2	75.0	79.1	80.8	81.1	84.8	82.2	77.6	68.5	55.4	53.2	55.5	58.7	60.0	70.6	89.6
	60.9	60.6	59.1	59.2	57.6	54.7										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 29 SEC						
		68.7	73.7	75.3	74.9	76.3	69.4	63.5	54.3				52.8	53.3	61.8	81.8
	53.7	53.3	52.6	51.7	49.2	46.0										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	59.9	65.1	69.6	70.2	70.4	71.5	69.1						50.5	51.1	57.2	77.2
	50.7	50.4	48.3	46.7	43.7											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	61.5	63.7	67.5	68.5	68.2	69.5	66.0	62.2								
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC						
		60.2			64.8	65.2	66.2									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-240

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 240
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	100.9	105.3	108.6	112.0	114.7	119.2	121.5	124.3	124.8	123.4	119.6	115.1	115.1	114.5		123.7	131.5
	114.2	112.7	111.8	113.1	112.9	110.4	109.6	109.1	109.1	105.7	104.7						
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	99.1	104.0	108.0	111.1	113.7	117.7	120.9	124.4	125.9	124.8	121.2	115.5	112.7	106.9		119.8	131.4
	101.3	95.4	94.5	95.6	98.6	99.3	100.3	102.8	102.4	96.0	97.0						
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	102.2	106.3	109.2	112.8	115.5	120.3	122.1	124.1	123.4	121.5	116.9	114.6	116.6	117.1		125.7	131.5
	117.1	115.7	114.7	116.1	115.9	113.3	112.3	111.6	111.6	108.5	107.3	102.6	103.3				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	93.9	98.6	103.0	105.8	108.0	114.0	115.8	117.5	116.2	110.1	101.1	95.5	97.0	98.4		111.7	122.9
	99.3	98.9	98.6	99.2	100.3	100.0	99.7	99.3	96.8	96.2	92.7	91.2	87.4				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	86.0	91.7	96.5	99.3	101.6	106.8	107.8	108.3	104.5	95.5	82.5	82.2	85.3	86.5		100.7	113.9
	87.4	86.8	87.5	88.5	89.1	89.0	89.0	88.2	86.6	84.3	80.3						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	80.9	86.0	90.7	93.1	95.3	100.2	100.3	98.5	88.5	74.9	65.5	68.5	70.7	72.0		87.2	105.6
	72.1	71.7	73.2	73.8	72.5	71.8											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	71.0	75.9	81.0	82.3	82.7	85.3	83.4	78.7	69.2	56.2	53.2	56.8	59.3	61.3		71.7	90.7
	62.0	62.0	61.4	60.4	58.2	55.1											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	64.6	69.4	75.0	76.1	75.0	76.2	70.1	64.7	55.0			51.0	52.6	53.8		62.1	82.3
	54.3	53.7	53.2	51.7	49.2												
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	61.1	66.5	71.2	71.1	70.8	70.0	64.7	59.7						50.6		55.1	77.8
		49.2															
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	60.6	64.9	69.6	68.7	68.5	68.5	64.2										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
		61.4	65.7	65.1	66.0	65.5											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-241

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 241
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 100.3 105.4 108.7 112.0 114.7 118.9 121.8 124.1 124.9 123.7 119.9 115.2 115.1 114.8 114.2 113.0 112.2 113.4 113.1 110.5 109.3 109.0 109.1 105.3 104.6 100.2	123.9	131.6
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 30 SEC 98.5 104.1 108.0 111.1 113.9 117.5 121.2 124.3 126.0 125.1 121.6 115.8 112.8 107.1 101.5 96.0 95.2 96.4 99.8 100.3 101.3 103.7 103.4 97.2 98.2 96.2	120.2	131.6
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC 101.6 106.4 109.2 112.7 115.4 120.0 122.3 123.9 123.5 121.6 117.0 114.5 116.6 117.4 117.1 116.0 115.1 116.4 116.0 113.3 111.9 111.3 111.5 108.0 107.0 102.3 103.0	125.8	131.5
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 30 SEC 93.7 98.5 103.2 105.8 108.1 113.9 116.2 117.6 116.4 110.4 101.1 95.5 97.1 98.8 99.4 99.2 99.2 100.1 101.5 101.4 101.3 100.9 98.6 97.8 94.6 92.7 89.0	112.6	123.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 85.6 91.9 96.9 99.2 101.8 106.6 108.1 108.2 104.7 95.4 82.1 83.7 85.7 87.8 88.8 89.3 89.9 90.1 91.0 91.4 91.0 90.1 88.4 86.2 80.8 79.0	101.9	114.0
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 30 SEC 80.5 86.2 91.3 93.6 95.9 100.6 101.2 98.7 88.3 75.3 67.0 69.9 72.5 73.8 74.1 75.6 76.9 76.0 76.0 75.1	88.5	106.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC 70.1 76.3 81.5 82.3 83.2 86.0 84.0 77.6 66.8 58.2 53.2 57.2 59.5 62.0 62.9 63.1 62.5 62.0 60.2 56.9	72.4	91.1
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 27 SEC 64.9 69.3 75.4 76.6 75.7 75.7 69.5 63.3 54.5 50.8 53.0 54.3 54.5 53.9 53.5 52.1 49.5 45.9	62.3	82.5
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 30 SEC 60.6 66.2 70.8 71.4 71.2 70.0 64.1 59.5 49.6 50.3 49.9 46.7 43.3	55.2	77.5
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 30 SEC 60.4 65.0 68.8 69.0 69.4 69.4 63.3 57.6 48.9		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC 57.6 62.0 64.8 65.4 66.6 67.2 61.1 55.6		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-242

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 242
DATE 24 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	100.9	105.6	108.2	111.8	114.7	119.2	121.7	124.1	125.0	123.5	120.1	115.2	115.1	114.6		123.8	131.6
	114.4	113.2	112.0	113.3	113.1	110.4	109.2	108.9	108.9	105.2	104.6	100.4					
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	99.1	104.2	107.5	110.9	113.8	117.7	121.1	124.3	126.1	124.9	121.9	115.8	112.9	107.0		120.2	131.6
	101.5	95.9	95.1	96.1	99.7	100.6	101.6	104.2	103.6	97.4	99.1	97.0					
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	102.1	106.7	108.7	112.6	115.4	120.3	122.2	123.9	123.6	121.5	117.1	114.4	116.6	117.3		125.8	131.5
	117.3	116.1	115.0	116.3	116.0	113.2	111.8	111.1	111.2	107.8	106.9	102.2	102.9				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	94.1	98.8	102.6	105.7	108.1	114.0	116.1	117.6	116.4	110.1	101.2	95.4	97.0	99.0		112.7	123.1
	99.9	99.3	99.4	100.4	101.5	101.5	101.4	101.1	99.0	98.1	94.8	93.1	89.5				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	86.1	91.9	96.0	99.2	101.7	106.8	107.9	108.1	104.6	95.2	82.1	82.6	85.5	88.0		102.3	113.9
	88.6	89.5	90.2	90.8	91.7	91.6	91.4	90.4	88.0	85.5	80.5	79.5					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	81.3	86.6	90.7	93.4	96.0	100.8	101.1	99.2	88.7	73.8	65.9	70.1	73.2	74.2		88.2	106.3
	73.9	73.8	74.4	74.5	74.8	73.9											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	71.0	75.7	79.9	81.8	83.1	85.5	84.1	78.8	69.1	56.7	52.6	56.9	59.2	61.3		72.0	90.8
	61.4	61.5	61.3	61.1	59.3	56.3											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 28 SEC		
		69.7	73.8	75.7	75.2	76.0	67.3	62.0	53.7	48.1	48.0	52.0	54.5	54.5		62.5	81.8
	54.6	54.0	53.8	52.7	50.3	47.0											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	61.7	67.0	68.9	69.8	69.9	69.4	63.2						50.5	51.2		56.1	76.4
		49.0	48.5	47.2	44.0	41.0											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC		
		65.1	67.3	66.9	67.0	67.5	61.9						49.8				
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
		61.9	63.5	63.7	64.4	65.3	60.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-243

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 243
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	100.4	106.2	109.8	113.0	116.0	120.1	122.7	124.7	126.1	125.6	123.4	121.2	123.9	122.4		128.3	134.2
	120.6	119.2	117.3	115.5	114.1	112.2	112.5	113.4	112.2	110.3	110.4	106.1	106.6				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	100.1	105.9	109.6	113.0	115.8	119.2	122.7	125.3	127.3	126.7	124.3	120.7	122.8	120.4		125.8	134.0
	114.4	106.2	102.2	105.8	108.8	110.4	111.0	112.9	111.2	108.4	109.2	104.9	105.1				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	100.6	106.4	110.0	113.1	116.1	120.7	122.6	123.9	124.5	124.1	122.3	121.6	124.7	123.8		129.8	134.3
	123.0	122.1	120.2	118.3	116.4	113.5	113.6	113.8	113.0	111.7	111.3	107.1	107.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	91.3	97.3	101.1	103.4	106.2	110.3	112.2	113.1	112.5	107.4	97.2	93.3	99.1	101.0		113.1	119.9
	102.2	103.4	104.9	105.3	103.5	101.1	99.0	97.3	96.4	95.1	91.9	93.5					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	88.9	94.4	99.1	101.0	103.5	107.3	107.9	107.2	103.1	92.5	81.2	86.0	93.3	96.6		109.6	115.1
	99.0	101.0	103.2	103.5	98.0	95.2	95.7	92.5	93.5	89.5	86.4						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	82.6	88.1	93.3	95.9	98.7	101.5	100.7	95.2	83.1	78.3	72.2	76.9	81.1	85.4		100.0	107.3
	89.6	92.9	94.8	93.2	89.0	83.7	83.8	79.6	79.3	77.2							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	78.9	84.5	89.7	91.8	93.8	96.5	93.7	86.7	77.3	66.7	66.6	72.8	76.3	80.1		92.3	101.5
	83.6	86.2	87.6	84.3	77.5	75.2	73.4	70.3									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	76.7	81.4	86.7	87.7	89.0	88.6	82.4	76.7	76.8	70.8	69.2	74.9	78.4	81.0		87.8	95.9
	83.2	83.7	78.4	73.7	74.6	71.5	68.8	63.9									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	76.7	82.1	87.5	88.5	87.8	87.4	85.3	89.2	85.7	76.1	79.7	86.2	91.0	91.4		94.0	99.5
	88.7	85.6	84.0	80.5	78.8	75.5	71.3										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 24 SEC		
	76.4	81.4	85.7	84.2	79.8	81.0	85.9	88.1	82.0	74.1	80.2	87.0	87.5	88.7		91.6	97.1
	86.9	84.3	79.4	77.7	76.0	70.7											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	78.3	82.4	85.7	82.7	76.6	81.5	85.1	86.7	87.7	81.7	78.7	84.1	90.9	88.9		92.3	97.7
	86.7	83.8	81.9	78.2	75.8	71.5											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-244

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 244
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	100.8	106.6	109.8	112.8	116.0	119.8	122.4	124.8	125.8	125.3	123.3	120.8	123.4	121.9		127.9	133.9
	120.1	118.9	117.2	115.6	114.0	111.8	111.9	112.6	111.5	109.8	109.8	105.6	106.0				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	100.7	106.2	109.5	112.7	115.9	119.1	122.5	125.5	127.0	126.4	124.1	120.1	122.0	119.5		125.0	133.6
	113.6	105.6	100.7	104.2	107.1	108.6	109.3	111.1	109.8	106.8	107.8	103.7	103.5				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	100.8	106.8	110.0	112.8	116.1	120.4	122.3	124.0	124.2	123.8	122.2	121.4	124.4	123.4		129.7	134.1
	122.6	121.8	120.1	118.4	116.5	113.6	113.5	113.8	112.7	111.5	111.1	106.9	107.6				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	91.3	97.3	100.5	102.8	106.0	109.9	111.6	113.1	112.1	106.9	96.8	92.4	97.7	99.3		111.1	119.3
	100.5	101.4	102.7	102.9	100.5	98.6	97.6	95.8	94.2	93.5	89.5						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	88.9	94.2	98.0	99.7	102.8	106.3	106.9	106.5	102.2	92.5	80.1	83.5	89.4	92.7		105.3	113.5
	93.9	95.6	98.6	99.1	93.3	92.6	91.7	87.7	87.7	84.4	81.0						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	83.1	89.8	93.4	95.4	98.3	100.6	99.2	93.4	82.9	77.6	72.9	77.6	83.7	87.4		98.3	106.3
	90.0	92.1	92.5	89.7	87.5	82.7	82.7	78.1	76.2								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	79.6	84.8	89.6	91.5	94.0	96.1	92.6	86.3	75.6	66.3	68.5	74.2	77.9	80.2		89.8	101.0
	82.1	84.3	84.1	80.2	75.6	75.0	71.4	69.2									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	78.4	83.1	88.3	89.0	90.2	89.3	82.7	76.3	77.5	72.1	69.0	75.1	78.5	80.9		86.8	96.6
	82.1	81.4	79.0	73.4	72.6	71.0	66.4	61.6									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	77.1	82.6	87.3	87.6	86.7	85.7	82.0	85.1	81.7	74.8	80.5	86.5	90.0	89.7		92.5	98.1
	87.6	84.9	79.5	77.8	75.9	71.3											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 24 SEC		
	77.2	82.3	85.7	84.4	79.8	83.0	86.4	90.9	85.8	74.2	79.5	87.7	89.9	86.6		91.0	97.8
	85.1	81.6	79.4	77.5	74.0	69.7											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	79.2	83.6	86.5	83.3	76.7	84.2	88.0	91.7	88.9	78.9	79.9	87.3	90.4	89.0		92.3	98.8
	86.6	83.4	80.4	78.1	75.3	70.6											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-245

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 245
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	101.1	106.4	109.8	112.6	116.0	119.8	122.3	124.7	125.8	125.6	123.5	121.1	123.7	122.1		128.2	134.1
	120.6	119.2	117.3	115.6	114.1	112.1	112.3	113.2	112.3	110.2	110.3	106.1	106.7				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	101.0	106.1	109.6	112.5	115.9	119.1	122.4	125.4	127.1	126.9	124.6	120.7	122.5	119.9		125.6	133.9
	114.2	106.1	101.8	105.5	108.4	109.8	110.5	112.4	111.1	108.0	109.0	104.7	104.9				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	101.3	106.6	110.0	112.6	116.0	120.5	122.1	123.8	124.0	123.8	122.2	121.5	124.7	123.5		129.8	134.2
	123.1	122.1	120.3	118.4	116.5	113.6	113.5	113.8	113.2	111.7	111.3	107.2	107.9				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	91.9	97.2	101.0	102.8	106.2	110.1	112.0	113.4	112.6	107.7	97.7	93.0	98.5	101.3		113.8	120.1
	104.1	103.2	106.1	105.8	103.1	101.1	100.5	98.3	97.1	96.2	92.6	92.3	89.8				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	89.7	94.1	98.3	99.8	103.2	106.9	107.8	107.5	103.3	92.9	81.6	86.9	92.7	95.1		108.9	114.8
	98.0	100.2	102.6	102.8	96.8	94.9	95.5	92.0	90.8	88.7	84.9	84.4					
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	84.0	88.9	93.8	95.3	98.6	101.2	100.3	94.9	82.5	76.1	73.4	80.6	88.8	93.5		104.4	108.6
	98.0	100.1	98.5	93.8	88.7	89.6	87.5	84.4	82.4	83.1							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	79.2	84.0	89.2	91.6	94.0	95.6	91.9	83.0	74.9	68.5	68.2	75.0	80.2	83.1		92.9	101.1
	85.9	86.5	87.0	85.3	78.4	77.1	75.2	74.6									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	78.1	82.7	87.3	88.3	89.3	88.2	81.3	77.8	78.9	74.2	71.2	75.3	81.0	82.8		89.7	96.5
	83.6	84.4	82.8	78.9	76.1	74.0	71.6	66.2									
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	76.1	80.8	85.0	85.1	83.1	82.5	80.2	81.5	76.1	68.0	72.8	78.4	81.1	80.6		86.6	93.4
	81.6	80.9	77.3	75.6	74.0	69.0											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 24 SEC		
	76.6	81.2	85.1	88.9	81.2	83.4	80.7	82.8	78.6	71.9	74.8	79.1	81.0	81.1		87.2	93.7
	83.2	82.1	78.4	73.1	71.4	66.0											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	78.6	82.5	85.8	84.3	81.2	86.8	86.6	89.8	86.0	74.1	73.4	81.0	82.8	84.1		87.3	96.3
	82.0	79.4	76.0	73.7	70.9	66.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-246
DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 246
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	100.9	105.8	110.4	112.9	116.3	120.3	123.1	125.3	126.8	126.2	123.8	121.5	123.5	121.7		127.8	134.4
	120.0	118.6	116.3	114.2	112.9	111.2	111.5	112.6	111.7	109.6	109.9	105.5	105.9				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	100.7	105.6	110.2	112.9	116.3	119.6	123.3	126.0	128.0	127.3	124.7	120.9	122.3	119.5		125.7	134.4
	114.1	106.6	101.7	105.2	108.0	109.4	110.1	112.4	111.2	107.9	109.4	104.9	105.2				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	101.0	106.1	110.5	112.9	116.3	120.8	123.0	124.4	125.2	124.7	122.6	121.9	124.4	123.1		129.2	134.3
	122.5	121.5	119.3	116.9	115.2	112.4	112.5	112.8	112.1	110.8	110.4	106.0	106.5				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	91.9	96.8	101.5	103.0	106.3	110.4	112.4	113.6	113.4	108.7	98.8	93.3	98.6	100.2		112.3	120.2
	101.7	102.0	103.2	104.1	103.3	100.5	96.7	97.4	94.8	94.7	90.7	90.0					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	89.6	93.7	99.0	100.0	103.2	107.0	108.1	107.8	104.4	94.3	82.5	86.8	90.8	93.3		107.9	114.8
	95.8	97.9	100.5	102.0	98.6	93.5	94.2	90.5	88.9	86.5	82.8						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	83.4	88.3	94.3	95.9	99.2	101.7	101.0	95.3	82.9	75.9	73.0	77.8	84.2	87.9		100.3	107.6
	91.6	93.8	94.7	92.2	87.8	88.6	83.1	80.9	77.9	75.0							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	78.8	83.9	90.2	92.3	95.0	97.0	93.1	84.8	76.6	67.9	70.1	77.3	81.7	83.8		91.1	101.8
	84.2	84.5	85.7	81.2	76.9	74.1	72.2	70.3									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	79.3	83.6	89.1	89.6	90.3	89.6	85.2	75.8	72.6	69.7	69.7	76.1	80.1	84.0		89.7	97.6
	84.6	84.6	81.5	78.9	76.0	73.4	71.3	66.5									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	77.3	81.0	84.8	81.6	78.4	81.9	83.1	85.0	82.6	74.5	80.0	87.1	89.8	87.9		91.6	96.6
	85.6	83.6	80.8	76.4	76.8	72.2											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 22 SEC							
	77.2	80.1	82.7	75.0	79.5	85.1	85.7	87.2	83.7	75.6	80.5	85.3	86.0	84.7		89.3	95.6
	84.7	82.0	77.5	75.3	72.6	68.0											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	78.5	80.8	82.2	74.9	83.2	87.6	88.0	90.2	88.4	75.5	75.9	81.5	85.5	86.6		90.1	97.2
	86.1	82.5	78.2	76.9	74.6	69.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-247
DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 247
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	100.5	105.9	109.8	113.3	116.3	120.5	122.9	125.3	126.7	126.2	124.0	121.5	123.3	121.5	127.8	134.3
	119.8	118.7	116.4	114.6	113.3	111.1	111.3	112.2	111.5	109.4	109.5	105.2	105.5			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	100.2	105.5	109.6	113.2	116.2	119.8	123.0	125.9	127.9	127.3	124.9	121.0	122.1	119.3	125.4	134.3
	113.7	106.4	101.6	105.2	107.5	108.6	109.3	111.5	110.4	107.3	108.7	104.4	104.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	100.7	106.1	110.0	113.3	116.5	121.1	122.8	124.4	125.1	124.7	122.9	121.9	124.3	123.0	129.3	134.3
	122.3	121.6	119.4	117.4	115.7	112.7	112.6	112.9	112.3	110.8	110.3	105.8	106.5			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	91.2	96.6	100.8	103.7	106.8	111.0	112.6	113.9	113.2	108.4	98.8	94.2	99.4	100.3	111.8	120.2
	100.8	101.1	102.5	103.4	102.5	99.9	97.3	96.7	95.1	94.1	90.5	90.0				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	89.2	94.0	98.6	100.8	103.7	107.7	108.3	108.1	104.2	94.2	80.9	86.3	92.1	94.9	107.3	115.0
	97.4	98.9	100.4	100.6	95.7	93.5	93.8	89.2	87.7	86.1	83.1					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	83.2	88.7	94.3	96.7	99.8	102.7	101.9	97.3	85.6	81.2	75.1	79.9	85.4	88.2	101.8	108.6
	92.0	94.7	96.5	94.1	89.9	89.1	86.2	80.8	78.3	77.0						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	77.4	83.4	90.1	93.5	95.4	97.5	93.8	87.0	78.7	70.0	70.7	79.8	86.2	90.6	95.0	103.0
	90.3	87.5	88.8	82.4	78.8	78.6	74.4	70.9								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	78.5	83.3	88.1	89.3	90.3	88.9	82.7	77.5	75.2	73.5	70.2	76.6	78.7	83.7	89.7	97.1
	83.7	85.9	81.2	79.0	74.8	71.4	69.5	64.2								
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	75.9	80.1	83.9	81.7	78.3	82.4	82.8	86.1	84.1	74.7	80.9	87.2	90.1	88.6	93.3	97.5
	89.2	86.2	82.9	79.6	77.0	72.7										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 26 SEC						
	75.2	78.7	79.5	70.4	80.3	85.2	84.8	85.6	80.0	76.4	78.1	83.5	85.6	86.1	89.6	95.0
	85.4	81.2	79.9	76.2	73.2	69.0										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	77.2	79.9	78.9	76.9	84.4	87.1	88.2	90.7	88.4	78.9	80.9	86.5	87.6	88.0	92.5	98.3
	88.0	85.3	81.2	81.2	79.0	73.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-248

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 248
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	100.6	106.2	110.1	112.9	116.4	120.6	123.3	125.4	126.7	126.2	124.0	121.7	123.8	121.8		128.1	134.5
	120.2	119.0	116.9	115.1	113.9	111.7	111.9	112.8	112.0	110.0	110.0	106.0	106.1				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	100.3	105.7	109.9	112.7	116.3	119.9	123.4	126.0	127.8	127.3	124.9	121.1	122.4	119.3		125.5	134.4
	114.0	107.0	101.8	104.8	107.3	108.6	109.2	111.5	110.5	107.4	108.6	105.0	104.2				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 27 SEC							
	100.8	106.6	110.4	113.0	116.5	121.2	123.3	124.6	125.1	124.6	122.8	122.2	124.8	123.4		129.7	134.6
	122.7	121.8	119.8	118.0	116.4	113.4	113.6	113.8	113.2	111.6	111.1	106.9	107.5				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	92.0	97.2	101.5	103.2	106.6	110.6	112.6	113.7	113.4	108.5	98.6	94.6	99.8	100.5		112.3	120.3
	100.9	101.5	103.1	104.2	103.0	100.3	97.5	97.4	95.1	94.6	90.6	90.0					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	89.6	94.5	99.4	100.7	103.9	107.7	108.4	107.9	103.9	94.3	81.7	86.1	91.5	94.3		107.6	115.0
	96.8	98.0	100.2	101.3	97.4	93.8	94.6	89.9	88.6	86.9	82.9						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	83.6	88.8	94.4	96.2	99.8	102.7	101.5	95.4	84.3	76.5	74.3	80.2	86.4	90.9		101.0	108.3
	94.9	96.3	93.3	91.3	86.9	88.2	85.1	81.4	79.3	79.1							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	79.4	84.7	90.9	92.8	95.4	97.3	93.2	87.2	78.4	66.5	68.7	77.9	85.1	89.2		93.5	102.7
	90.8	86.5	84.9	78.4	76.4	74.7	70.7	67.1									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	78.5	83.6	89.4	89.5	90.4	90.0	85.3	78.3	73.7	69.3	69.7	75.9	78.6	80.9		87.0	97.2
	81.7	82.4	78.8	74.5	72.9	70.6	66.5	61.9									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 24 SEC							
	76.9	80.4	84.5	81.2	75.7	77.0	79.4	83.6	78.5	70.3	75.0	80.6	82.0	82.0		86.4	92.7
	80.9	79.7	77.9	74.3	69.7	67.4											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	76.9	80.4	82.6	76.3	77.3	79.7	77.7	76.9	72.7	70.1	74.3	79.8	81.9	82.4		87.6	92.2
	84.3	80.7	79.7	74.6	70.5	67.0											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	78.4	80.9	81.6	76.7	82.2	80.8	80.7	83.8	81.7	71.1	73.7	81.0	82.7	84.6		87.5	93.4
	83.3	79.0	77.1	75.5	70.4	66.7											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-249

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 249
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	100.5	105.4	108.6	112.0	114.6	119.3	121.8	124.2	124.8	123.2	119.6	115.3	114.8	114.6	123.7	131.4
	114.1	112.6	111.9	113.2	112.9	110.3	109.1	108.9	108.9	105.3	104.7	100.3				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	98.9	104.1	108.1	111.2	113.8	117.9	121.4	124.5	125.9	124.7	121.5	116.0	112.5	106.8	120.1	131.6
	101.0	95.5	95.0	96.6	99.8	100.7	102.1	104.5	103.9	97.7	99.8	97.3				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	101.8	106.4	109.1	112.6	115.3	120.3	122.2	123.9	123.2	120.9	116.2	114.5	116.2	117.3	125.6	131.3
	117.0	115.6	114.9	116.2	115.8	113.1	111.7	111.0	111.2	108.0	106.9	102.0	102.8			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	94.0	99.0	103.1	105.8	108.1	114.3	116.3	117.6	116.2	109.8	100.9	95.1	96.8	98.9	112.9	123.2
	99.7	99.3	99.5	100.8	102.1	101.8	101.9	101.5	99.0	98.0	95.0	93.1	89.5			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	85.8	91.9	96.7	99.2	101.6	106.9	108.0	108.1	104.3	94.8	82.2	83.9	86.1	86.9	101.4	113.9
	87.2	88.0	88.6	89.1	90.2	90.8	91.0	89.8	88.2	85.2	80.5					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	81.3	86.6	91.3	93.6	95.9	100.9	101.2	98.0	86.6	74.8	66.9	71.2	73.9	74.5	88.4	106.1
	76.0	76.0	75.5	75.6	76.7	75.8										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	69.7	75.3	80.1	81.4	83.0	86.3	84.5	78.8	71.3	58.1	54.3	58.2	60.0	61.0	72.3	91.1
	61.7	61.7	61.6	61.3	59.6	55.9										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC	
		69.8	75.4	76.3	76.0	78.3	72.9	68.1	60.1	49.1	49.7	53.7	55.8	56.8	64.7	83.5
	56.8	56.1	55.5	54.5	51.7	47.1										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	62.0	67.0	71.0	71.4	71.5	72.5	70.5	63.6	59.0			48.1		52.9	53.9	60.4	79.0
	53.3	52.0	50.8	49.1	45.6											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC	
		65.7	70.0	68.9	70.1	71.3	70.1	63.6	56.1					52.0	53.1	58.5	77.4
	52.7	51.6	50.7													
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	57.1	62.2	66.5	65.3		68.3	67.7	60.0								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-250

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 250
DATE 24 SEP 80

MICROPHONE:
ARRAY D4

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 32 SEC 99.9 105.1 108.3 111.7 114.7 119.2 121.4 124.0 124.9 123.2 119.3 115.2 114.9 114.5 113.9 112.5 111.8 113.3 112.8 110.3 109.2 108.9 108.7 105.2 104.5 100.2	123.6	131.3
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 32 SEC 98.2 103.8 107.7 110.9 113.9 117.8 121.0 124.3 126.1 124.7 121.2 115.9 112.6 106.9 101.2 95.4 94.7 96.3 99.3 99.8 101.2 103.7 103.2 96.9 98.5 96.5	120.0	131.5
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 32 SEC 101.2 106.1 108.8 112.4 115.3 120.2 121.8 123.6 123.4 121.0 116.0 114.5 116.4 117.1 116.8 115.5 114.7 116.3 115.8 113.1 111.8 111.2 111.0 107.9 107.0 102.2 102.8	125.6	131.2
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 33 SEC 93.6 98.5 102.9 105.7 108.3 114.3 116.1 117.4 116.4 109.7 100.6 95.4 97.1 99.2 100.0 99.6 99.6 100.5 101.5 101.1 100.7 100.3 98.0 97.1 93.8 92.1 88.3	112.4	123.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 33 SEC 85.7 91.8 96.6 99.1 101.8 107.1 108.0 108.1 104.6 94.8 82.0 83.4 86.0 88.1 89.0 88.9 89.5 90.1 91.3 91.1 90.3 88.7 87.0 84.3 78.8	101.6	114.0
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 32 SEC 80.6 86.3 91.2 93.5 95.9 101.0 100.8 97.7 86.2 74.9 67.9 72.4 75.5 75.6 75.3 74.8 75.7 76.0 76.2 75.5	88.2	105.9
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 33 SEC 70.7 76.0 81.1 82.8 83.7 86.9 85.6 80.2 70.3 57.3 55.3 59.4 61.3 62.6 63.0 63.0 62.4 61.8 59.6 56.4	73.2	92.0
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 32 SEC 65.5 71.9 77.6 79.0 78.5 79.2 73.0 66.0 55.9 49.1 51.1 55.0 56.9 58.2 58.7 58.7 58.5 57.0 53.3 48.4	66.4	85.3
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 32 SEC 61.0 68.4 73.1 74.2 74.9 75.3 71.4 64.6 57.6 48.7 53.8 55.0 54.8 54.5 54.1 52.8 49.5 45.6	62.7	81.4
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 32 SEC 61.3 66.3 70.8 71.4 71.5 73.4 70.8 62.5 56.6 51.4 52.5 52.2 51.4 50.9 49.5 47.1 43.2	60.1	79.1
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 32 SEC 57.6 62.2 66.8 67.4 68.2 69.3 67.5 59.8 55.9 48.3 48.3 47.1	55.5	75.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-251

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 251
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 32 SEC 99.8 105.7 108.3 111.4 114.5 119.0 121.5 124.1 124.7 123.0 119.2 115.0 114.5 114.2 113.6 112.0 111.4 112.9 112.7 110.1 108.9 108.8 108.7 105.0 104.5 100.2 100.7	123.4	131.2
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 32 SEC 98.1 104.4 107.8 110.5 113.8 117.7 121.1 124.4 125.9 124.5 121.1 115.7 112.4 106.5 100.7 94.9 94.5 95.9 99.2 100.0 101.6 104.3 103.9 97.5 99.7 97.2 96.9	119.9	131.4
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC 101.0 106.7 108.8 112.1 115.2 120.0 121.9 123.7 123.1 120.8 115.9 114.1 116.0 116.8 116.5 115.0 114.4 115.9 115.6 112.9 111.5 110.9 110.9 107.6 106.8 102.0 102.7	125.3	131.1
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 33 SEC 93.4 99.3 102.9 105.4 108.2 114.1 116.2 117.6 116.2 109.7 100.8 95.3 96.8 98.6 99.4 98.7 98.6 99.5 100.6 100.3 100.3 100.1 98.1 96.8 93.8 91.9 88.0	112.0	123.0
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 32 SEC 85.5 92.4 96.5 98.8 101.8 106.8 108.1 108.3 104.5 95.0 82.3 82.7 85.3 87.2 88.0 87.9 88.3 89.1 90.4 90.1 89.5 88.2 86.5 84.3 79.3	101.1	114.0
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 33 SEC 80.7 87.0 91.3 93.4 96.2 100.8 100.9 97.9 85.4 75.3 67.6 70.4 72.6 74.4 74.2 73.5 74.5 74.1 74.0 74.0	87.6	106.0
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 32 SEC 70.5 77.2 81.2 81.5 83.0 86.2 85.5 81.7 72.8 58.6 59.4 62.2 64.2 64.8 64.5 63.7 63.1 61.0 58.0	74.0	91.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 33 SEC 66.4 72.3 76.8 77.2 76.1 76.9 69.3 67.2 59.4 50.4 54.3 56.2 57.5 57.8 57.1 56.9 55.7 53.1 48.9	65.1	83.5
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 31 SEC 69.7 73.4 72.7 72.9 72.4 67.3 52.6 53.7 53.4 52.4 52.1	59.2	79.6
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 32 SEC 62.8 68.3 71.9 70.7 70.3 71.3 66.6 61.3 52.0 52.1 51.6 50.8	57.6	78.2
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 32 SEC 59.8 64.7 68.0 67.4 67.6 67.7 63.1 58.7		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 252
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-252

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	100.4	105.3	108.4	111.8	114.8	119.4	122.0	124.3	125.1	123.3	119.4	115.3	115.0	115.0		123.9	131.6
	114.6	113.3	112.7	113.8	113.0	110.1	108.7	109.0	108.7	105.2	104.7	100.7	100.7				
S	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	98.7	104.0	107.9	111.0	114.1	118.1	121.5	124.7	126.3	124.7	121.3	116.1	112.8	107.3		120.4	131.7
	101.9	96.7	96.2	97.6	100.8	101.7	102.9	105.5	105.3	99.1	100.8	98.6	97.7				
T	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	101.7	106.3	109.0	112.5	115.4	120.4	122.4	124.0	123.5	121.0	116.0	114.3	116.4	117.6		125.8	131.5
	117.5	116.2	115.6	116.8	115.9	112.8	111.1	110.9	110.6	107.6	106.7	102.1	102.5				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	94.3	98.7	103.0	105.9	108.5	114.4	116.6	117.8	116.6	109.8	100.8	95.0	97.1	99.7		114.4	123.5
	100.9	100.9	101.5	102.9	104.1	104.0	103.7	103.2	101.1	100.2	97.1	95.4	91.8				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	86.1	91.7	96.6	99.3	102.0	107.2	108.4	108.5	104.9	95.0	82.1	83.2	86.3	88.3		104.1	114.4
	89.6	90.5	91.7	93.0	94.3	94.7	94.0	92.6	90.3	88.4	84.0	81.8					
C	DIST FROM SOURCE: 423 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	81.3	86.7	91.6	94.2	96.6	101.3	101.3	98.1	85.8	75.1	68.0	70.2	71.8	73.6		88.4	106.4
	74.1	72.9	75.0	74.9	76.2	76.6											
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	71.5	75.7	80.1	81.6	84.2	86.9	85.4	80.2	70.4	57.4	55.6	58.8	61.7	63.7		73.9	91.9
	64.8	64.8	64.5	63.2	61.0	57.0											
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	66.5	71.1	75.5	76.5	76.8	77.4	71.7	68.4				54.1	56.6	58.3		66.1	83.5
	59.0	58.3	57.8	57.3	54.5	50.3											
G	DIST FROM SOURCE: 2079 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	63.4	68.3	71.5	70.5	72.2	72.4							52.8	53.2			
	53.2																
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	62.4	66.4	69.6	67.8	70.3	71.5	69.3						51.3	52.2			
	52.2																
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 32 SEC					
		62.9	66.0	64.2	67.5	68.1											
	49.3	47.5															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-253

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 253
DATE 24 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	99.7	104.7	108.4	111.6	114.9	118.7	121.4	124.1	124.7	123.2	119.4	115.4	115.0	114.6	123.5	131.3
	114.0	112.4	111.7	113.1	112.7	110.2	109.3	108.9	108.7	105.2	104.6					
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	98.0	103.5	107.9	110.8	114.2	117.4	121.0	124.4	125.9	124.7	121.2	116.0	112.8	107.1	119.9	131.5
	101.4	95.4	94.6	95.8	98.7	99.3	100.7	103.4	103.1	96.6	98.2					
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	100.9	105.7	108.9	112.3	115.5	119.8	121.8	123.7	123.1	121.0	116.2	114.6	116.5	117.2	125.5	131.2
	116.9	115.4	114.6	116.1	115.6	113.0	112.0	111.2	111.0	107.9	107.1	102.4	103.0			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	93.4	98.2	103.2	105.8	108.6	113.9	116.3	117.7	116.4	110.0	101.0	95.8	97.8	99.9	112.7	123.2
	100.8	100.4	100.0	100.7	101.7	101.4	101.1	100.6	98.0	97.3	94.2	92.4	88.6			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	85.5	91.2	96.5	98.9	102.0	106.5	107.9	108.3	104.4	94.9	81.5	84.3	88.0	89.9	103.7	114.0
	90.8	91.6	92.6	93.1	94.0	93.7	93.0	91.7		87.1	82.1	80.2				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	80.1	85.9	91.2	93.4	96.2	100.2	100.5	97.8	86.2	74.3	66.5	71.3	73.4	74.1	88.5	105.7
	75.8	76.1	76.4	76.3	77.4	77.8										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	70.9	75.8	81.0	81.8	83.5	86.3	84.3	78.8	70.6	57.4	55.8	59.6	61.7	63.6	73.1	91.3
	64.0	64.0	63.4	62.4	60.0	56.5										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	63.0	68.4	72.9	72.2	71.9	70.8										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	62.9	66.5	71.1	69.6	69.2	68.3	69.2									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	58.8	63.1	67.1	65.7	66.6	64.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 254
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-254

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	99.4	105.2	108.7	111.9	115.1	119.1	122.0	124.1	125.1	123.4	119.6	115.4	115.2	115.2	124.0	131.6
	114.8	113.3	112.5	113.7	113.1	110.2	108.9	109.0	108.6	105.2	104.8	100.5	100.9			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	97.7	104.0	108.1	111.1	114.3	117.8	121.6	124.5	126.3	124.9	121.5	116.2	112.9	107.5	120.4	131.7
	102.2	96.7	96.1	97.4	100.8	101.5	102.6	105.3	104.9	98.7	100.7	98.1	97.5			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	100.6	106.2	109.2	112.6	115.7	120.0	122.4	123.7	123.4	121.1	116.2	114.4	116.6	117.8	125.9	131.5
	117.7	116.3	115.5	116.7	116.0	112.9	111.3	111.0	110.6	107.7	106.8	102.1	102.8			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	93.3	98.8	103.2	106.0	108.6	114.2	116.8	117.7	116.6	110.1	100.8	95.7	98.1	100.7	114.0	123.5
	101.5	101.2	101.2	102.1	103.2	103.2	103.1	102.6	100.6	99.7	96.8	94.9	91.4			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	85.1	91.7	96.7	99.2	102.0	106.8	108.5	108.2	104.7	95.1	82.0	83.6	86.4	89.0	103.7	114.3
	90.6	91.3	92.3	92.9	93.6	93.5	93.0	91.7	89.5	87.3	82.7	80.7				
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	71.1	75.7	80.6	81.7	83.2	85.9	84.7	78.8	69.3	56.8	55.1	59.1	61.4	63.3	72.6	91.1
	63.2	62.8	62.2	61.1	59.2	55.9										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC	
			69.8	74.7	75.8	75.2	76.1						56.9	57.2	64.2	81.8
	57.5	56.6	56.6	55.5	53.0											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	60.2	66.2	70.7	70.4	69.7	68.7							53.2	54.0		
	53.5			50.9												
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC	
			64.5	68.9	68.5		66.5							52.0		
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC	
			61.0	65.1	65.7	66.0	63.7									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-104-255

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 255 DATE 24 SEP 80

MICROPHONE: ARRAY 04

DATE 05 FEB 87

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 46 SEC	
	99.6	104.9	107.8	111.0	114.4	118.7	121.2	123.7	124.6	122.9	119.4	114.9	114.2	113.9	123.0	131.0
	113.3	111.9	111.1	112.5	112.0	109.3	107.8	108.0	108.0	104.0	103.5	99.5	100.0			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 46 SEC	
	98.4	104.1	107.7	110.7	114.2	118.0	121.3	124.5	126.1	124.7	121.5	116.1	112.7	107.3	120.3	131.6
	101.8	96.1	95.4	96.9	100.2	100.9	102.1	104.8	104.5	98.2	99.9	97.4	97.3			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 45 SEC	
	100.6	105.5	107.8	111.3	114.5	119.3	121.1	122.8	122.3	119.9	115.2	113.3	115.3	116.4	124.6	130.3
	116.2	114.9	114.0	115.4	114.8	111.9	110.2	109.8	109.9	106.4	105.4	100.9	101.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 46 SEC	
	93.9	99.1	102.9	105.6	108.6	114.5	116.4	117.8	116.4	109.9	101.0	95.3	97.1	99.7	113.3	123.4
	100.6	100.4	100.3	101.3	102.5	102.4	102.2	101.8	99.5	98.8	95.8	94.0	90.4			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 45 SEC	
	85.6	92.0	96.3	98.7	101.8	106.9	108.1	108.3	104.6	95.1	82.1	83.3	85.7	87.9	103.1	114.1
	89.1	89.9	90.8	91.6	92.8	93.1	92.8	91.6	89.4	87.6	82.6	80.6				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 45 SEC	
	80.7	86.7	91.0	93.4	96.3	100.9	100.9	98.1	86.2	74.4	66.5	70.0	72.6	75.1	89.5	106.0
	75.1	75.3	76.7	78.2	79.5	79.4										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 46 SEC	
	70.4	76.1	80.7	82.0	84.4	86.9	85.1	79.3	70.5	56.7	55.2	58.9	61.3	62.8	73.0	91.8
	63.2	62.9	62.8	62.0	59.8	55.9										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 39 SEC	
	65.8	69.9	75.5	76.3	76.4	77.1							56.5	57.1	63.8	82.7
	57.4	56.3	55.8	54.6	52.9											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 45 SEC	
	62.4	66.9	70.7	71.5	72.6	72.0							56.5	55.9	62.1	78.3
	56.1	56.2		53.3	52.4	51.0										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 46 SEC	
	62.6	65.8	68.8	69.2	70.1	70.3	68.3						54.0	54.5	61.5	76.9
	54.5	53.7	53.4	51.6	50.8	49.3										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION O2 HT AGL 1.5 M

EVENT:
NUMBER 256
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-256

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 99.3 104.8 107.9 111.0 114.1 118.2 121.1 123.4 124.6 123.1 119.1 114.9 114.6 114.0 113.5 112.1 111.2 112.4 112.0 109.3 108.1 108.0 107.8 104.3 103.6 99.6	123.0	130.9
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 98.3 104.1 107.9 110.8 113.9 117.6 121.2 124.2 126.1 124.9 121.2 116.1 113.1 107.5 102.1 96.6 95.9 97.0 100.2 100.9 102.0 104.4 104.1 97.8 99.1 96.9	120.2	131.5
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 100.1 105.4 107.9 111.3 114.3 118.7 120.9 122.5 122.2 120.1 114.8 113.4 115.6 116.5 116.4 115.0 114.2 115.4 114.9 112.0 110.5 110.0 109.8 106.8 105.7 101.2 101.8	124.7	130.2
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 93.6 99.0 103.1 105.7 108.4 114.0 116.3 117.5 116.5 110.2 101.0 95.9 97.9 100.3 101.0 100.8 100.9 101.7 102.8 102.7 102.5 102.0 99.9 99.6 96.6 95.2 91.5	113.6	123.2
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC 85.4 91.9 96.4 98.8 101.6 106.5 108.0 108.1 104.6 95.4 82.2 83.8 87.0 90.0 91.1 91.6 92.2 92.6 93.6 93.8 93.3 92.3 90.1 88.4 84.0 81.6	103.9	114.0
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 36 SEC 80.8 86.5 91.1 93.3 96.0 100.5 100.7 97.7 86.1 75.0 67.7 70.3 72.6 75.1 74.9 75.7 76.4 76.5 77.2 77.2	88.4	105.8
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC 70.8 75.7 79.7 80.9 83.1 85.6 83.9 78.6 68.7 59.5 58.8 61.1 63.0 63.2 62.5 62.0 61.3 59.1 55.7	72.3	90.7
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 65.0 69.3 74.0 73.3 74.3 76.2 56.7 56.7 56.1 56.0 54.5 53.0	62.8	81.0
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 35 SEC 63.0 67.1 70.4 69.4 69.7 68.6 53.2 53.7 53.4		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 35 SEC 61.9 65.9 69.4 68.6 68.7 68.3 51.9 52.3 52.2 51.3 47.9	57.4	75.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC 63.3 66.3 66.6 66.2 50.7 49.9 48.0		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 257
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-257

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 98.3 104.2 107.5 110.8 114.4 118.9 121.7 124.1 125.5 125.0 122.9 120.4 122.8 120.6 119.6 118.5 116.2 114.1 112.5 110.2 110.2 111.0 111.1 109.0 108.3 105.1 105.1	127.0	133.2
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 98.0 103.9 107.4 110.8 114.4 118.4 121.8 124.7 126.7 126.1 123.2 119.9 121.6 118.6 114.3 109.5 104.9 103.6 105.0 105.8 105.6 107.9 109.1 106.2 105.2 103.5 103.5	124.3	133.1
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 98.6 104.4 107.6 110.8 114.4 119.4 121.5 123.4 124.0 123.5 121.1 120.9 123.8 121.9 121.9 121.2 119.0 116.9 115.1 112.3 112.4 112.8 112.4 110.7 110.1 106.3 106.3	128.7	133.4
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 32 SEC 90.2 95.6 99.2 101.9 105.4 110.2 112.2 113.8 113.6 110.0 103.2 96.7 98.1 99.0 100.5 100.8 101.5 102.0 101.9 102.8 101.4 101.1 100.2 100.7 96.7 95.2 92.4	113.0	120.4
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC 87.7 92.3 96.6 98.4 101.6 106.0 107.1 107.9 106.2 100.1 87.7 84.2 88.2 89.2 89.8 88.8 88.9 88.5 87.9 87.2 85.5 84.3 80.1	100.5	113.8
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 31 SEC 80.9 86.1 91.0 93.3 96.5 100.2 99.9 97.6 90.7 84.3 73.4 73.6 75.8 76.6 78.5 79.2 79.1 78.9 79.3 78.3 77.0 74.5 72.5	90.2	105.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 19 SEC 76.6 79.7 85.3 88.3 91.5 95.2 93.3 88.7 77.2 66.4 64.0 69.4 72.9 75.8 76.4 76.9 78.7 78.7 77.0 73.4 69.8	86.3	99.6
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC 72.4 75.9 81.1 83.3 85.7 87.9 85.4 81.7 74.1 65.1 60.5 64.1 66.9 68.4 69.7 69.6 69.6 69.4 67.7 64.9 60.8	78.2	92.9
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 32 SEC 72.0 75.5 77.1 78.2 78.6 76.6 75.1 68.0 60.7 57.9 59.9 60.9 61.7 62.1 61.5 60.5 59.1 56.8 53.3	69.5	85.3
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 32 SEC 68.4 72.8 73.4 74.0 75.5 71.3 67.1 61.0 54.4 54.8 57.6 59.8 60.0 59.8 58.8 58.1 56.2 53.1 49.8	66.4	81.3
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC 64.2 69.0 73.3 74.4 74.0 74.6 69.3 66.5 62.1 56.0 55.0 59.1 61.7 61.4 61.3 59.9 58.3 56.3 53.1 47.7	67.1	81.3

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-258

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 258
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	98.8	104.0	107.9	110.7	114.2	118.5	121.4	124.1	125.4	124.8	122.4	120.4	123.1	121.2	127.4	133.3
	119.9	118.7	116.9	115.1	113.0	110.4	110.4	111.0	110.9	109.1	108.3	104.9	104.9			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	98.5	103.8	107.9	110.7	114.2	118.0	121.5	124.7	126.4	125.8	123.3	119.8	121.7	119.3	124.4	133.0
	114.9	109.9	105.2	103.2	105.1	105.8	105.4	107.5	108.1	105.6	104.8	102.6	102.6			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.1	104.2	108.0	110.7	114.1	119.0	121.3	123.4	124.0	123.5	121.4	121.0	124.1	122.6	129.1	133.5
	122.1	121.5	119.7	118.0	115.6	112.6	112.7	113.0	112.6	111.0	110.3	106.4	106.3			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	90.3	95.5	99.7	101.7	105.1	109.9	111.8	113.8	113.5	109.6	103.0	96.7	98.5	99.5	112.3	120.1
	100.7	101.1	101.3	101.1	100.9	101.7	100.2	99.9	99.0	99.5	95.3	93.7	91.5			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	87.9	92.1	96.9	98.1	101.2	105.8	106.5	107.7	105.9	99.9	87.6	82.9	85.2	86.6	101.2	113.5
	87.4	87.4	88.9	89.4	89.2	90.2	89.0	88.1	87.6	85.2						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	80.6	85.3	90.7	92.4	95.4	99.1	98.7	96.6	89.5	82.6	72.0	71.8	73.9	74.3	89.4	104.5
	76.2	77.1	77.8	78.3	79.1	79.1	77.4	74.0								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	73.9	78.3	84.2	86.6	89.3	93.6	92.1	89.0	78.4	66.1	62.0	65.0	67.6	68.7	80.8	98.1
	69.7	70.0	69.6	69.4	68.7	67.1	64.1	59.8								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	71.2	75.2	80.6	82.9	84.7	86.9	84.9	80.8	73.5	65.5	61.5	64.1	65.9	67.3	76.6	92.1
	68.8	68.7	67.7	67.2	65.3	62.0	57.5									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	67.0	69.8	74.6	75.0	75.9	75.2	75.4	73.5	68.5	64.7	58.1	59.5	61.1	61.0	69.1	83.4
	61.8	61.2	60.6	59.3	56.7	53.2										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	64.3	67.3	71.7	73.0	72.8	71.9	65.9	66.6	60.6	59.7	56.3	59.1	61.4	60.8	67.4	79.7
	61.1	60.0	59.3	57.7	54.8	51.1										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	63.1	66.3	72.2	72.4	72.7	72.7	67.2	66.1	62.4	56.8	54.9	58.7	60.9	61.5	67.1	79.8
	61.4	60.2	58.8	56.6	53.4	47.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-259

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 259
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	98.0	103.8	108.1	110.9	114.0	118.7	121.3	124.0	125.6	124.9	122.2	120.3	122.7	120.7		126.9	133.1
	119.3	118.4	116.2	113.9	112.2	109.9	110.0	110.4	110.3	107.9	106.9	103.1	102.5				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.6	103.6	108.0	110.9	114.0	118.2	121.4	124.6	126.7	126.0	123.1	119.7	121.5	118.9		124.2	133.0
	114.6	110.1	105.6	103.7	105.1	105.5	105.2	107.0	107.9	105.0	104.0	101.2	100.7				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	98.3	104.0	108.2	110.9	114.0	119.2	121.2	123.2	124.1	123.5	121.1	120.7	123.6	121.9		128.5	133.2
	121.5	121.1	119.0	116.7	114.7	112.1	112.2	112.3	111.8	109.7	108.6	104.4	103.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	89.6	95.3	99.9	102.1	105.0	109.9	111.7	113.7	113.8	110.0	103.4	97.9	98.5	99.0		111.9	120.1
	99.9	100.1	100.4	100.7	100.4	101.4	99.6	99.3	98.7	98.9	94.6	93.4	90.9				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	87.4	92.1	97.3	98.7	101.4	106.2	106.6	108.1	107.0	100.3	89.2	85.1	87.2	88.5		100.8	114.0
	89.4	88.8	88.9	88.9	88.0	88.0	86.7	85.6		82.0							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	80.6	85.9	91.6	93.4	96.0	99.7	98.8	96.8	92.3	86.3	75.5	73.8	75.9	77.1		89.7	105.1
	78.3	79.1	78.7	78.8	78.1	76.7	75.1	73.1									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 21 SEC		
	74.5	79.5	85.8	88.4	90.7	94.9	92.9	89.7	77.6	67.4	63.1	65.9	67.4	68.8		81.1	99.3
	69.8	69.7	69.4	69.1	68.1	66.4	64.0	60.4									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	72.1	76.6	82.7	84.5	86.4	89.1	86.2	81.5	71.6	65.1	62.3	65.9	67.7	67.9		78.1	93.8
	69.2	69.1	68.7	69.1	67.5	65.4	61.5										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	68.2	73.6	78.0	78.9	79.7	81.6	78.6	74.5	68.9	63.2	58.6	61.2	62.3	62.8		70.7	87.2
	63.1	62.8	61.7	60.3	58.0	54.1											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	66.7	71.0	76.0	77.7	78.4	81.6	78.3	73.3	64.1	57.4	56.5	61.2	63.2	64.2		71.0	86.4
	64.3	63.7	62.8	60.6	57.3	53.4											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	66.5	72.3	77.0	77.2	77.7	81.1	77.2	71.4	63.2	59.3	55.4	60.1	63.1	63.8		71.1	86.0
	65.0	64.4	63.1	60.5	57.5	51.9											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-260

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 260
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	98.0	103.3	107.6	110.3	113.8	117.9	120.8	123.5	125 0	124.3	121.8	120.3	122.6	120.6		127.0	132.8
	119.4	118.5	116.8	115.2	113.2	110.6	110.5	110.8	110.3	108.3	107.3	103.3	102.9				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.6	103.1	107.5	110.3	113.7	117.4	120.9	124.1	126.0	125.3	122.6	119.4	121.1	118.6		123.7	132.4
	114.3	109.5	104.8	102.5	104.1	104.5	104.0	105.9	106.4	103.8	102.6	99.8	99.5				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	98.4	103.5	107.7	110.4	113.8	118.4	120.8	122.8	123.6	123.0	120.9	121.0	123.7	122.0		128.9	133.2
	121.6	121.2	119.6	118.1	115.9	113.0	113.0	113.1	112.3	110.5	109.5	105.2	104.8				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	89.5	94.6	99.4	101.3	104.6	109.3	111.3	113.1	113.1	109.3	103.0	97.5	98.5	99.0		110.3	119.4
	99.7	99.6	99.3	98.8	98.4	99.1	97.3	96.7	95.8	95.6	91.2						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	86.9	91.3	96.6	97.8	100.7	105.2	105.9	107.1	105.6	99.5	87.9	84.0	85.5	86.3		100.8	113.0
	87.9	88.2	89.2	89.5	89.0	89.1	88.2	87.6	86.7	84.6							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	80.1	84.9	90.6	92.1	95.0	98.6	98.1	96.1	90.1	84.2	75.4	73.4	74.3	75.7		89.0	104.2
	77.2	78.2	78.3	78.2	77.7	76.7	74.9	72.6	71.0								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	74.2	78.7	85.1	87.3	89.6	93.7	92.3	89.8	80.1	66.8	63.7	66.8	68.8	69.4		81.0	98.5
	69.8	69.8	69.8	69.6	68.4	66.4	63.5	59.5									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	72.0	74.5	80.6	82.1	84.4	87.0	84.0	80.2	72.4	65.3	61.7	65.2	67.0	67.5		77.1	91.8
	68.5	68.6	68.3	68.6	66.9	63.4	60.7										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	67.2	71.0	75.8	77.3	78.8	80.8	78.8	75.5	69.3	63.0	58.6	61.2	62.8	64.1		72.3	86.5
	65.1	65.0	64.2	62.9	60.2	56.7											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	65.4	68.1	72.8	72.8	73.2	77.7	75.7	71.4	61.0	54.9	55.0	58.5	60.3	60.7		67.8	82.7
	61.1	60.3	59.5	57.3	54.3	51.3											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	63.8	69.0	73.6	73.7	72.0	72.1	74.2	72.4	63.3	55.6	52.9	56.3	58.6	59.2		66.1	81.5
	59.1	58.6	57.4	55.3	52.1	46.7											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-261

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 261
DATE 24 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 98.2 103.9 108.0 110.3 113.8 118.2 121.0 124.0 125.0 124.4 121.9 120.4 122.8 120.9 119.6 118.7 117.4 116.1 114.2 111.0 110.7 110.8 110.1 107.9 107.2	127.3	133.0
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 97.9 103.7 107.9 110.3 113.8 117.6 121.0 124.5 126.0 125.3 122.5 119.3 120.9 118.3 114.3 109.9 105.6 102.2 102.3 101.6 99.4 100.0 99.5 96.3 95.8	123.2	132.4
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 98.4 104.1 108.1 110.3 113.9 118.7 121.0 123.5 123.9 123.3 121.3 121.3 124.1 122.5 121.9 121.5 120.3 119.0 117.1 113.8 113.5 113.6 113.0 110.8 110.0 105.8 105.5	129.4	133.6
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC 89.7 95.3 99.5 101.2 104.5 109.3 111.3 113.4 113.0 109.5 104.0 99.7 99.0 98.7 99.2 98.5 97.8 96.8 95.7 95.9 93.6 92.7 91.6 91.0 87.5	108.9	119.4
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC 87.0 91.9 96.7 97.6 100.5 105.1 106.0 107.4 105.7 100.2 90.7 85.7 85.4 85.8 86.2 85.9 86.8 86.1 85.0 85.5 84.0 82.8 81.3 79.2	99.2	113.1
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 32 SEC 80.1 85.2 90.7 92.1 94.9 98.8 98.4 97.3 92.3 86.7 78.4 74.0 75.4 77.0 77.8 77.3 76.8 77.1 76.4 75.1 73.3 70.7 68.2	88.9	104.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 31 SEC 73.5 78.2 83.9 85.7 88.0 92.2 90.6 88.5 78.2 65.9 63.3 67.0 69.5 70.1 70.8 70.8 70.0 69.5 68.7 66.8 64.2 59.9	80.6	97.0
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC 69.4 73.3 79.0 79.3 81.3 83.5 80.9 78.4 70.2 62.2 59.6 62.8 64.7 65.2 65.6 65.6 65.2 65.0 63.1 59.8	73.9	88.9
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC 65.3 69.4 73.7 73.5 73.6 74.7 73.8 71.6 64.6 60.0 56.8 58.6 59.9 60.2 60.2 59.7 58.7 57.5 55.2 51.7	67.5	82.0
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 32 SEC 63.1 65.6 70.4 69.4 69.7 70.2 66.7 66.4 59.4 53.4 53.6 56.3 58.2 58.4 57.7 56.9 56.0 53.8 51.0	64.2	77.6
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC 62.1 65.0 69.3 68.9 68.0 69.4 64.7 64.7 60.4 54.3 52.7 55.8 57.3 57.3 57.1 56.1 54.7 52.3 48.9 43.9	63.2	76.7

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 262
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-262

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC 98.6 103.4 107.1 110.5 112.8 118.1 119.2 121.9 122.9 122.2 118.8 113.4 113.6 112.5 111.4 109.6 108.8 110.0 109.7 107.0 106.3 106.3 105.2	121.1	129.6
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC 98.0 103.0 107.4 110.5 112.9 117.9 119.4 122.6 124.5 124.0 120.5 114.3 112.3 108.9 103.6 97.2 95.2 94.5 94.9 94.4 93.8 96.1 96.2	118.7	130.3
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 32 SEC 99.1 103.8 106.8 110.6 112.8 118.2 118.9 121.0 120.6 119.2 115.7 112.4 114.6 114.4 114.0 112.5 111.7 112.9 112.6 109.9 109.2 109.1 107.9 105.3 104.0 99.7 99.9	122.8	128.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 32 SEC 93.7 97.6 102.3 104.8 107.2 113.4 114.4 116.7 115.6 110.2 103.7 100.5 99.2 98.4 97.8 96.5 96.2 96.2 95.8 94.7 93.3 92.2 92.1 89.3 85.6 84.7	109.3	122.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 33 SEC 85.1 90.5 95.7 98.1 100.8 105.8 106.4 107.8 104.9 99.0 91.4 87.3 85.9 85.9 85.1 84.1 84.8 85.3 86.2 85.5 84.0 83.4	99.0	113.2
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 33 SEC 81.2 85.9 91.2 93.4 95.9 100.7 100.6 100.0 92.1 77.5 72.4 73.8 76.6 77.8 78.7 77.6 78.7 78.6 78.5 77.8	90.1	106.4
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 33 SEC 75.3 80.2 85.5 87.2 88.7 92.5 92.3 91.4 84.9 72.8 66.1 68.4 70.3 70.9 71.7 71.2 71.1 70.7 69.5 68.0 65.3 61.5	82.2	98.5
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 32 SEC 69.7 73.0 78.0 79.4 80.8 84.0 82.8 80.6 74.5 67.4 62.2 63.9 65.2 65.7 65.9 65.6 64.8 63.9 61.9 58.8	74.3	89.6
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 32 SEC 65.3 68.8 73.9 75.2 75.0 77.1 73.1 70.7 63.7 58.6 57.6 61.2 63.0 63.2 63.6 62.5 62.0 60.4 57.6 53.2	70.0	83.0
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 32 SEC 64.5 67.7 71.4 71.6 71.9 73.4 70.4 68.8 64.6 61.3 58.7 59.6 60.6 61.5 61.6 60.0 59.1 57.0 53.4 49.2	67.5	80.2
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 32 SEC 64.8 66.6 71.2 69.6 70.8 71.4 69.7 68.8 62.7 58.9 56.7 58.4 60.5 61.4 61.2 59.7 58.3 56.1 52.7 48.1	66.9	79.1
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 32 SEC 73.0 74.0 61.4 63.8 63.3 61.6 60.6 58.1 54.6		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-263

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 263
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	98.7	103.8	107.8	111.2	113.2	118.1	119.5	122.0	123.2	122.7	119.0	112.5	112.6	112.0	121.0	129.7
	111.0	109.8	109.5	110.2	109.4	106.2	104.6	104.9	104.6	101.6						
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	98.3	103.5	108.1	111.3	113.3	117.9	119.8	122.8	124.8	124.6	121.0	113.8	111.7	108.2	119.2	130.7
	102.6	97.1	96.7	96.2	97.4	98.0	98.4	101.2	100.8	97.7						
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	99.0	104.2	107.6	111.1	113.2	118.2	119.1	120.9	120.6	119.3	115.0	110.7	113.4	114.0	122.3	128.6
	113.7	112.7	112.4	113.1	112.2	108.8	107.1	106.9	106.5	103.6	102.5	98.1	98.5			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	94.0	98.3	103.7	106.2	108.4	114.1	115.4	117.5	116.6	111.2	103.9	99.7	99.4	99.9	112.4	123.1
	100.0	100.2	101.1	101.5	101.7	100.6	99.7	98.6		95.7	92.0	90.7	89.0			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	86.1	91.5	97.0	99.6	102.2	106.4	107.2	107.9	104.7	97.7	86.3	84.2	87.0	88.3	102.0	113.7
	89.1	90.4	91.8	92.2	91.7	90.7	90.0	88.1		85.1	80.9					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	82.0	87.4	92.8	95.1	97.4	100.7	100.4	96.4	87.2	81.7	73.7	78.3	80.1	82.5	93.1	106.1
	82.6	83.2	83.8	83.5	83.3	83.1	82.7									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 26 SEC	
	76.0	81.2	86.9	88.9	90.6	93.5	93.5	91.1	82.1	70.8	66.3	69.9	72.3	73.8	83.4	99.4
	73.9	73.5	73.5	72.8	71.6	69.9	66.7									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	70.4	75.4	80.8	83.3	85.3	86.6	84.8	82.1	75.6	66.5	64.0	65.6	67.9	68.7	76.9	92.4
	68.5	68.5	68.0	66.9	64.7	61.7	57.4									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	67.3	71.7	76.7	77.5	76.9	80.0	77.4	76.3	68.3	61.3	60.4	65.6	68.0	69.1	74.7	85.6
	68.5	68.0	66.8	64.4	61.5	57.7										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	65.3	70.8	75.9	75.7	77.6	76.9	72.6	73.2	68.1	63.4	60.8	63.4	65.3	66.8	73.1	84.1
	67.9	66.6	64.8	63.1	59.2	54.8	48.3									
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	66.5	70.8	75.3	75.7	76.9	77.2	70.4	72.0	69.7	63.8	59.3	61.0	64.0	64.8	71.6	83.6
	65.7	64.4	64.4	61.8	58.4	54.1										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	63.4	68.3	72.3	72.8	74.9	74.7	69.5	69.5	65.2	62.5	56.9	59.2	62.0	63.1	69.4	81.4
	63.2	62.8	61.9	59.1	56.1	51.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-264

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 264
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	99.4	104.3	108.0	110.9	112.6	118.0	118.2	120.0	120.1	119.0	114.8	109.4	111.7	113.1	121.5	128.0
	112.9	112.1	111.6	111.9	111.1	107.9	106.6	106.6	105.9	103.2	102.0	97.9	98.6			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	100.1	104.9	109.0	111.5	113.3	118.5	118.7	120.6	120.7	119.5	115.3	109.9	112.2	113.6	122.0	128.6
	113.4	112.6	112.3	112.6	111.7	108.5	107.2	107.1	106.4	103.6	102.6	98.5	99.1			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	98.5	103.6	106.7	110.1	111.9	117.3	117.6	119.3	119.2	118.3	114.1	108.8	111.2	112.5	120.8	127.3
	112.3	111.6	110.8	111.0	110.4	107.1	106.0	106.0	105.2	102.7	101.3	97.3	97.9			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	93.1	98.0	102.8	105.3	107.2	113.4	114.4	116.5	115.5	110.4	103.7	99.4	98.4	99.1	110.9	122.1
	99.4	99.2	99.8	99.7	99.3	98.7	97.3	95.6	93.7	91.8	87.7	85.7				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	85.3	91.1	96.2	98.9	101.3	106.5	107.3	108.1	104.9	98.6	89.3	86.2	88.3	90.7	103.4	113.9
	91.4	90.9	92.1	93.1	93.4	92.7	91.9	90.8	88.3	86.9	82.1					
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 23 SEC						
	80.9	86.1	91.5	94.1	96.4	101.2	101.7	100.4	91.6	77.7	72.9	75.8	79.4	81.7	93.0	107.1
	82.9	83.0	83.8	82.9	82.2	81.4										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	76.4	82.4	87.7	90.2	91.9	95.9	95.7	93.1	83.4	70.8	66.5	68.3	70.2	73.6	86.6	101.3
	76.2	77.0	76.6	77.1	76.6	75.6	72.1	67.9								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 23 SEC						
	70.5	76.6	82.0	84.3	86.3	89.5	88.4	85.5	77.3	65.1	60.7	63.3	66.2	68.4	79.9	94.7
	71.2	71.7	71.6	71.0	68.9	66.1	61.6									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 23 SEC						
	66.3	71.7	77.2	78.8	79.4	81.2	79.3	74.6	68.7	58.5	56.4	60.1	61.8	63.0	71.4	87.0
	63.9	63.0	63.0	62.0	60.0	55.9										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	64.4	71.2	75.3	76.7	79.0	78.5	74.1	69.6	66.5	60.5	57.5	59.7	61.1	62.5	69.6	84.7
	63.2	62.3	61.7	60.1	56.3	52.5										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 22 SEC						
	65.0	70.4	76.1	76.4	78.5	79.9	75.7	70.8	64.8	60.3	56.2	58.4	60.9	63.9	70.1	85.2
	63.9	62.7	62.2	59.6	56.6	52.0										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 17 SEC						
	61.6	66.8	72.9	74.2	76.0	78.2	74.9	68.8	64.9	55.1		58.3	61.3		68.1	83.1
	62.5	61.0	59.6	57.5	54.3	50.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 265, DATE 24 SEP 80

MICROPHONE: ARRAY 04

IDENTIFICATION: OMEGA 12.2 TEST AA-104-265

DATE 05 FEB 87

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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	98.3	103.1	106.8	109.7	111.3	116.3	117.0	119.2	120.4	120.8	118.0	110.8	107.6	107.6	118.4	127.5
	107.4	106.6	105.3	105.9	106.5	104.5	103.9	104.5	102.7	99.9	98.9					
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	97.7	102.7	107.0	109.7	111.3	116.2	117.3	120.0	122.1	122.8	120.2	112.5	107.3	102.2	117.9	128.6
	97.9	95.0	95.6	96.3	100.4	102.5	103.5	104.6	101.8	98.2	98.2					
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	98.7	103.5	106.5	109.7	111.2	116.4	116.7	118.2	117.9	117.1	113.4	107.9	107.8	109.9	118.9	126.0
	110.2	109.5	108.0	108.6	108.9	105.9	104.3	104.3	103.4	101.1	99.5	96.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	93.6	97.6	102.1	104.3	105.7	111.4	112.1	114.0	113.1	108.6	102.2	94.9	91.9	93.8	109.3	120.0
	95.1	95.8	97.0	97.8	99.4	99.5	97.7	94.9	92.8	91.0	86.8	84.8				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	85.9	91.1	96.2	98.4	100.4	104.7	105.2	105.7	102.5	96.7	88.5	83.3	84.3	85.5	97.2	111.7
	85.5	85.3	85.4	85.0	84.3	82.9	81.5	79.6								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	82.0	86.8	92.0	94.3	96.1	100.4	100.5	98.6	89.4	77.2	72.0	75.4	79.5	81.8	92.1	106.1
	82.7	82.9	83.2	82.7	81.7	80.5										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	77.5	82.4	87.4	89.7	91.5	95.0	94.4	90.6	79.9	68.0	65.0	67.4	71.3	73.8	86.4	100.3
	76.2	77.6	78.7	78.1	76.8	73.9	69.0	65.6								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	72.5	77.6	82.9	84.6	86.4	89.7	87.9	83.7	76.1	67.6	63.4	64.6	67.2	68.8	78.5	94.6
	68.8	69.5	69.3	69.2	67.3	64.8	60.0									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	68.7	74.1	79.6	81.4	81.7	83.5	79.3	77.3	68.6	60.4	59.1	64.5	68.3	70.7	79.4	89.5
	73.1	73.3	73.0	70.9	67.6	62.4										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	66.3	72.1	76.8	77.6	78.8	79.2	77.4	74.7	72.2	62.0		60.6	61.7	63.1	70.7	86.0
	63.6	63.2	62.6	60.3	56.7	52.5										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	66.6	71.3	76.2	76.6	77.3	79.8	77.4	73.8	70.4	63.2	56.3	58.1	61.1	62.1	69.4	85.5
	62.5	60.9	60.2	58.6	55.3	50.6										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	63.3	68.2	72.8	73.5	74.6	77.0	75.1	71.7	67.7	61.3	54.6		57.8	58.9	66.3	82.7
	58.8	58.0	56.8	54.9	51.9	47.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-266

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 266
DATE 24 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	99.0	103.7	107.4	110.6	112.6	117.5	119.0	121.5	123.0	122.7	119.1	111.9	112.1	111.5		121.0	129.5
	111.4	110.1	108.9	109.9	109.3	106.1	105.0	106.1	105.2	101.4	101.1	97.8					
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.6	103.3	107.7	110.7	112.7	117.5	119.5	122.4	124.8	124.8	121.4	113.4	111.3	106.7		119.7	130.6
	101.4	96.1	95.7	97.3	100.0	101.3	102.9	105.9	105.0	99.0	100.0	98.0					
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	99.3	104.1	107.1	110.6	112.5	117.6	118.6	120.3	120.2	118.8	114.0	109.8	112.8	113.8		122.0	128.2
	114.2	113.0	111.8	112.8	112.0	108.4	106.4	106.3	105.5	103.0	102.0	97.6	97.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	94.6	98.5	103.3	105.7	107.9	113.7	115.2	117.0	116.0	109.9	101.0	94.5	96.6	100.1		114.0	122.8
	102.2	102.9	103.8	104.3	104.3	103.6	102.5	99.7	97.6	97.1	93.6	92.1	88.8				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	86.2	91.9	97.0	99.4	102.2	106.8	107.8	108.1	104.0	96.5	86.1	85.8	89.9	92.4		106.5	114.4
	94.4	94.7	96.2	97.8	98.0	96.7	95.0	93.1	90.9	89.7	85.4	85.8					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	82.2	87.3	92.8	95.2	97.8	102.2	102.5	100.6	90.5	78.2	73.2	78.6	81.8	83.9		96.1	108.0
	85.5	86.4	87.2	87.0	86.6	85.9	83.5	82.3									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	77.0	82.8	88.1	90.4	92.1	95.8	95.5	92.4	82.4	68.8	64.9	69.2	72.2	75.9		89.7	101.4
	78.8	80.1	81.2	80.9	81.5	79.6	76.3	72.5	69.1								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	73.3	78.7	83.6	85.3	87.4	90.1	88.8	84.7	77.3	66.4	61.6	63.5	66.5	68.2		81.7	95.4
	70.5	71.1	72.6	73.8	73.3	70.5	67.2	61.5									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	70.1	75.7	81.7	83.6	84.3	85.7	82.3	79.1	73.2	61.2	58.3	63.8	66.2	68.4		78.0	91.5
	70.2	70.8	71.0	69.4	67.3	63.3	57.6										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	68.3	74.4	79.5	79.9	81.5	81.5	79.4	78.6	73.9	62.3	58.3	60.9	64.2	67.7		77.2	88.7
	69.7	70.4	70.3	69.8	65.5	60.7	53.6										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	68.4	73.2	78.1	78.4	80.1	80.6	78.2	76.2	73.2	64.7	56.8	59.5	63.0	65.4		73.7	87.3
	67.0	67.1	66.2	64.2	60.8	56.2	50.3										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	64.3	69.8	74.7	75.2	77.4	77.8	74.5	73.7	70.0	62.8	55.6	58.8	60.3	61.9		69.8	84.2
	62.4	62.4	61.9	60.2	57.1	53.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-267

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 267
DATE 25 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	99.6	104.9	108.6	111.3	115.1	118.8	121.9	124.5	125.8	125.1	122.8	119.6	122.1	120.8	126.8	133.3
	119.2	117.5	115.3	113.4	112.2	110.7	111.1	111.8	111.8	109.0	108.7	105.5	105.2			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	99.4	104.7	108.4	111.4	115.3	118.6	122.3	125.4	127.2	126.5	123.9	119.5	121.1	119.2	125.0	133.6
	114.2	107.3	103.5	105.8	107.9	108.5	109.6	111.0	111.2	108.2	108.2	106.3	105.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	99.9	105.1	108.7	111.3	114.9	119.0	121.4	123.3	123.7	123.1	121.4	119.6	122.9	122.0	128.1	133.0
	121.4	120.3	118.2	116.0	114.4	112.2	112.2	112.4	112.4	109.7	109.1	104.5	105.2			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	91.6	97.6	101.4	103.8	107.5	111.2	113.6	115.0	114.1	108.7	98.8	95.2	100.3	101.7	115.0	121.4
	103.7	104.7	106.0	106.8	106.1	104.7	98.1	100.0	99.5	98.2	94.6	93.5	90.7			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	89.5	94.9	99.5	101.4	104.9	108.3	109.0	108.5	105.2	95.7	84.4	88.1	94.2	96.9	111.3	116.4
	99.5	101.6	104.0	105.3	102.4	97.9	97.6	93.5	91.2	89.8	85.6	83.5	81.3			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	82.7	88.6	93.8	96.4	100.2	102.9	102.3	97.4	87.7	79.3	70.4	74.5	79.5	84.7	103.6	109.2
	92.2	97.2	98.9	96.3	92.8	88.6	86.0	79.7	78.1	75.4						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	78.1	83.7	89.0	92.1	95.1	97.4	95.1	89.0	76.6	61.2	60.7	65.2	70.0	72.2	91.6	102.3
	82.3	88.2	86.9	81.0	73.3	67.1										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	76.5	81.8	87.2	89.3	90.8	90.1	84.8	75.8	70.5	59.8	60.5	65.7	69.1	70.9	80.3	96.3
	72.9	76.5	73.5	66.9	63.3	59.7										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	72.6	78.7	82.9	84.6	85.6	85.9	82.6	76.4	68.1	61.8	58.8	63.2	67.2	67.9	76.3	92.1
	69.3	69.7	69.2	66.4	59.7	60.8	56.4									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	70.9	76.5	81.2	82.3	83.0	83.8	80.7	75.3	65.2	56.7	56.0	62.5	67.1	68.7	73.3	89.9
	68.4	65.3	63.4	57.6	58.2	55.1										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	69.6	76.0	80.6	81.6	82.5	83.9	79.3	72.0	65.5	56.4	56.3	60.4	66.3	68.1	71.8	89.3
	66.4	65.0	58.4	54.0	53.5	49.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-268

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 260
DATE 25 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 99.3 104.4 108.6 111.7 114.6 119.2 121.8 124.1 125.5 125.0 122.8 119.4 122.3 120.9 119.4 117.9 116.0 114.1 112.7 110.9 111.3 111.7 112.0 109.2 108.5 105.6 105.3	127.0	133.2
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 98.9 104.2 108.5 111.9 114.8 118.9 122.2 125.0 126.9 126.4 123.8 119.3 121.1 119.1 114.4 107.6 103.7 105.6 107.4 108.0 109.0 110.4 110.9 108.0 107.5 106.2 105.3	124.8	133.4
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC 99.6 104.6 108.8 111.6 114.5 119.4 121.3 122.9 123.5 123.1 121.5 119.6 123.2 122.2 121.7 120.7 118.9 116.8 115.1 112.6 112.8 112.7 112.8 110.2 109.3 104.9 105.4	128.5	133.1
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC 91.1 97.0 101.5 103.9 107.0 111.8 113.7 114.7 113.9 108.6 99.0 95.7 101.5 102.6 104.3 105.3 106.4 107.2 106.7 106.2 100.9 99.3 101.0 99.5 95.8 94.5 91.9	115.7	121.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC 88.9 94.1 99.1 101.2 104.2 108.6 109.3 108.8 104.9 94.9 82.5 86.2 92.2 95.8 99.9 103.0 105.3 106.1 102.4 99.8 99.9 93.4 91.4 90.2 86.1 83.3	112.2	116.7
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC 81.8 87.9 93.4 96.0 99.2 102.7 101.9 96.9 85.7 81.1 70.4 72.9 78.5 80.8 85.4 90.1 93.2 93.5 91.7 89.2 83.0 80.6 78.4 74.3	99.9	108.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 31 SEC 76.7 82.1 87.9 90.9 93.4 96.9 94.8 89.3 76.9 62.0 61.6 66.0 70.0 73.2 78.4 83.8 88.8 88.2 81.6 73.8 71.6 68.9	93.2	101.8
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC 74.9 80.2 85.8 87.1 88.0 89.2 85.0 77.6 66.6 56.8 56.2 61.2 68.0 70.5 73.5 72.6 71.2 66.1 62.7 61.1 57.1	78.6	94.7
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC 70.6 76.0 80.6 82.9 83.4 84.2 82.2 77.2 65.3 56.9 57.3 58.8 62.5 62.9 65.1 64.7 64.8 64.0 62.5 57.3	73.2	90.3
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC 69.6 74.4 79.0 80.0 80.8 82.1 78.1 69.7 58.3 50.8 53.2 57.8 62.3 61.0 65.4 67.3 65.3 62.7 58.0 53.2	72.3	87.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC 68.5 74.6 79.4 80.2 80.4 82.2 76.9 68.8 64.4 53.0 51.4 57.1 62.0 63.1 64.7 62.4 62.1 61.5 55.8 49.9	70.4	87.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-269

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 269
DATE 25 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	99.2	105.1	108.5	111.7	115.1	119.3	121.9	124.3	125.5	125.1	122.3	119.7	122.2	120.8	126.8	133.2
	119.2	117.6	115.4	113.4	112.1	110.3	110.7	111.3	111.3	108.7	108.1	105.2	104.8			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	98.8	104.9	108.3	111.8	115.2	119.0	122.3	125.2	126.9	126.5	123.4	119.6	121.2	119.2	124.8	133.4
	114.4	107.6	103.5	105.3	107.3	107.7	108.8	110.2	110.5	107.6	107.2	105.8	104.8			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 28 SEC						
	99.6	105.4	108.7	111.7	114.9	119.6	121.5	123.0	123.5	123.0	120.9	119.7	123.1	122.0	128.1	132.9
	121.4	120.4	118.3	116.1	114.3	112.0	112.0	112.2	112.0	109.6	108.8	104.4	104.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	91.0	97.4	101.0	103.7	107.3	111.4	113.5	115.1	114.7	109.8	99.3	94.9	100.0	101.6	115.3	121.7
	103.5	104.7	106.0	106.8	106.4	105.8	99.8	99.3	101.1	98.7	95.1	93.7	91.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	88.8	94.3	98.4	100.6	104.1	108.0	109.0	109.0	105.5	96.2	80.6	84.7	90.5	93.2	110.9	116.2
	96.8	99.8	102.4	104.4	103.4	100.1	97.1	96.3	89.8	87.7	85.4	81.7				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	81.8	88.3	92.9	95.5	98.9	102.0	101.5	97.7	85.8	81.0	70.7	72.4	75.9	78.2	100.0	107.7
	81.7	86.1	89.7	92.8	92.8	89.8	91.2	82.1	79.4	79.7						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	76.1	82.1	87.0	90.2	93.1	96.2	94.4	89.5	76.4	62.5	60.4	64.6	68.3	69.6	86.7	100.8
	71.4	74.2	76.9	79.7	79.0	74.7	74.3	67.8								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	74.3	79.5	83.4	85.1	87.2	88.0	83.9	77.2	66.2	57.1	54.6	59.2	63.9	66.7	79.2	93.4
	69.6	73.2	73.3	70.5	68.7	62.3	60.4									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	69.1	75.0	79.2	81.4	81.8	80.2	79.4	75.0	64.3	52.9	52.7	57.9	59.8	60.0	71.1	88.1
	62.0	63.3	61.9	61.7	61.5	58.4	54.1									
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	68.5	73.3	77.0	78.8	79.4	79.0	74.4	69.6	61.8	52.5	50.9	55.5	59.0	59.4	68.5	85.6
	59.4	62.1	60.8	59.1	56.9	53.4										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	67.7	74.2	78.0	78.9	78.7	79.3	73.4	66.4	64.3	55.7	52.5	56.4	61.4	60.3	70.4	85.7
	61.3	64.5	63.3	61.8	59.4	53.0										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-270

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 270
DATE 25 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	99.2	104.9	108.3	111.4	114.4	118.8	121.6	124.1	125.6	124.8	122.5	119.1	122.0	120.8		126.9	133.1
	119.2	117.9	115.9	114.1	112.7	110.9	111.2	111.4	111.6	109.2	108.4	105.3	105.5				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	98.7	104.8	108.2	111.6	114.5	118.6	121.9	125.0	126.9	126.1	123.5	118.9	120.8	119.1		124.6	133.2
	114.4	108.0	103.9	105.1	106.9	107.3	108.2	109.8	110.5	107.7	107.0	105.7	105.5				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	99.6	105.1	108.4	111.2	114.2	119.1	121.2	122.9	123.6	122.9	121.2	119.3	122.9	122.0		128.4	132.9
	121.4	120.7	118.8	116.8	115.1	112.8	112.9	112.6	112.5	110.4	109.4	105.0	105.5				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	90.9	97.0	100.7	103.3	106.5	111.2	113.1	114.5	114.0	109.0	100.0	95.3	100.5	101.7		115.3	121.3
	103.4	104.2	105.3	106.1	106.0	106.5	103.3	99.3	99.6	100.8	96.2	94.5	92.4				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	88.8	93.9	98.1	100.1	103.0	107.3	108.0	108.1	105.5	96.0	83.3	84.7	89.5	92.0		110.2	115.4
	94.6	96.9	99.2	101.4	102.2	102.9	99.8	93.9	92.4	91.9	90.7	86.2	83.2				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	81.7	87.7	92.5	95.1	98.1	101.6	100.6	95.7	85.9	81.0	70.4	73.2	79.2	80.2		100.7	107.2
	83.0	86.5	88.9	91.4	92.5	92.0	90.4	89.7	88.3	85.8	80.2	79.1					
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	76.1	82.0	86.6	89.5	92.1	95.7	93.8	88.2	75.7	63.1	62.1	66.7	71.2	72.5		92.4	100.6
	75.6	79.9	83.5	84.8	84.8	83.3	80.6	79.5	73.1	73.0							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	73.6	78.8	82.4	85.0	86.4	87.9	83.6	76.2	67.1	59.9	54.5	63.8	65.5	67.7		85.5	93.5
	72.2	75.6	77.7	78.2	79.9	73.3	68.6	64.6	60.9								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	67.9	73.5	78.3	80.3	78.8	81.1	77.6	74.1	64.4	57.9	51.9	54.7	56.6	58.0		72.5	87.1
	59.6	61.4	64.3	65.4	63.9	63.0	55.9										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	67.2	71.9	75.5	76.8	77.4	78.0	73.1	67.2	57.4	50.3	51.0	53.9	57.1	57.8		66.2	84.0
	57.6	58.3	58.2	56.2	54.9	52.6											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	66.3	73.2	77.2	77.4	76.9	79.2	74.5	64.9	60.9	51.3	51.3	56.6	62.8	60.6		69.4	84.9
	62.0	62.4	61.0	60.1	58.6	55.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-271

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 271
DATE 25 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	99.0 104.6 108.4 111.1 114.5 118.4 121.2 123.6 125.0 124.6 122.4 119.1 122.1 121.1 119.3 118.1 116.2 114.2 113.0 111.3 111.6 112.0 112.1 109.7 109.0 106.0 106.4	127.1	132.9
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	98.6 104.4 108.3 111.2 114.7 118.2 121.6 124.6 126.4 125.9 123.5 119.0 121.1 119.5 114.6 108.6 104.8 106.2 107.9 108.3 109.1 110.5 111.4 108.8 107.9 106.5 106.9	124.9	133.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 31 SEC		
	99.5 104.7 108.5 110.9 114.3 118.6 120.7 122.5 123.0 122.6 121.1 119.1 122.9 122.2 121.6 120.9 119.0 116.9 115.2 113.0 113.2 113.1 112.6 110.5 109.8 105.4 105.9	128.5	132.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 32 SEC		
	90.9 96.8 100.8 103.0 106.3 110.4 112.4 113.9 113.4 108.8 100.6 95.1 100.0 101.2 103.0 104.1 105.3 106.5 106.8 107.8 106.0 104.4 101.9 101.3 97.6 96.4 93.8	116.3	121.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 32 SEC		
	88.8 93.5 98.1 99.5 102.7 106.6 107.4 107.8 105.5 97.4 83.6 83.9 88.9 90.5 92.6 92.9 93.0 93.7 93.6 94.5 94.6 94.9 94.0 93.7 90.8 88.5 85.5	105.5	114.3
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 32 SEC		
	81.7 87.3 92.2 94.2 97.4 100.4 99.8 95.5 86.8 81.7 68.9 69.7 72.5 73.6 76.7 77.8 80.7 81.4 81.3 81.2 81.2 79.1 77.3 75.5	91.5	105.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 31 SEC		
	75.9 81.2 86.5 89.1 91.8 94.9 93.0 87.8 73.9 62.1 60.4 62.5 66.5 68.5 69.6 69.6 73.3 74.2 74.9 75.5 74.4 71.1 66.5	84.5	99.5
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 32 SEC		
	73.0 78.3 83.2 83.7 86.0 87.3 83.7 78.2 68.0 57.9 55.2 59.4 61.6 64.2 66.3 67.5 68.7 71.6 70.2 68.9 63.5	78.4	92.6
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC		
	67.8 73.2 77.1 79.2 79.4 77.7 76.9 73.2 66.1 54.9 51.7 54.4 56.9 57.3 58.8 59.3 59.0 57.7 57.2 56.4	68.1	85.9
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 31 SEC		
	67.3 73.1 77.7 77.0 77.8 77.8 73.0 66.0 55.9 50.4 53.6 56.4 58.6 59.9 60.9 60.0 60.5 58.8 55.1 52.5	67.8	84.6
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 32 SEC		
	65.6 73.0 78.2 77.8 77.5 78.4 73.4 64.6 57.1 52.2 52.5 56.3 59.6 60.9 60.0 60.8 61.1 58.6 56.1 51.6	68.1	84.9

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-272

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 272
DATE 25 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	98.4	104.2	107.1	110.4	113.6	118.2	120.4	123.3	124.3	122.4	118.3	113.1	112.9	111.7		122.1	130.4
	112.1	111.7	111.5	112.2	110.6	107.1	106.2	107.2	107.0	103.4	103.0	99.5	99.5				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	97.7	103.7	107.3	110.3	113.7	117.7	120.5	124.1	126.0	124.4	120.4	114.6	111.1	104.5		119.9	131.2
	100.4	96.8	98.0	98.5	100.7	101.8	103.0	105.4	105.9	99.7	101.3	99.4	98.8				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	99.0	104.6	107.0	110.5	113.6	118.6	120.2	122.2	121.6	118.8	114.1	110.9	114.1	114.3		123.6	129.4
	114.9	114.6	114.4	115.1	113.4	109.4	108.0	108.4	107.9	105.4	104.1	99.6	100.1				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	93.0	99.0	102.8	105.3	107.9	114.1	115.8	117.7	116.6	110.1	100.0	94.9	98.3	100.4		116.4	123.6
	102.3	103.3	104.8	106.3	106.8	106.3	106.0	105.2	102.7	102.1	98.4	96.6	94.3				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	85.4	92.3	96.8	99.4	102.6	107.5	108.5	108.7	104.7	94.4	81.4	85.5	89.2	92.2		109.7	115.4
	94.6	96.6	99.1	101.0	101.3	100.7	99.8	97.6	94.2	92.1	88.9	87.7	84.6				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 41 SEC							
	82.1	87.8	92.1	94.3	97.2	101.8	100.6	95.8	85.4	75.8	69.9	75.6	78.7	82.5		104.9	108.3
	87.3	90.8	95.4	98.2	98.8	96.1	88.6	88.5	88.5	82.3							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	77.5	84.4	89.0	90.8	92.9	96.7	94.7	89.3	77.1	64.5	59.4	64.7	68.1	69.0		94.4	101.8
	72.2	78.1	84.3	88.8	88.3	84.3	81.9	72.4	67.6								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	72.7	79.3	83.6	84.4	85.0	86.2	80.1	74.2	64.2	54.2	55.6	61.5	65.1	69.8		76.1	91.8
	62.8	63.6	70.1	71.3	64.1	55.6											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	71.2	79.1	84.1	84.5	85.1	85.5	82.4	79.2	77.5	73.0	69.6	70.4	72.1	74.1		79.3	92.5
	72.9	71.2	70.9	68.6	66.1	61.8	56.7										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	70.9	78.4	83.4	84.4	85.8	86.2	82.2	78.6	78.4	73.8	70.5	77.6	82.4	84.9		89.6	94.9
	85.5	84.2	81.6	76.0	70.1	72.1	67.1	60.9									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	67.4	75.4	80.2	81.8	83.8	83.7	80.1	73.8	75.1	72.5	69.2	74.9	79.5	81.1		85.8	91.9
	81.3	79.9	78.1	73.5	65.0	67.7	66.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-273

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 273
DATE 25 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	98.9	104.5	107.2	110.9	113.7	118.1	120.4	123.0	124.2	122.5	118.4	112.9	112.6	111.3	121.9	130.3
	111.8	111.5	111.3	111.7	110.3	106.8	106.2	107.4	107.0	103.3	103.2	99.5	99.4			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	98.4	103.9	107.3	110.7	113.7	117.7	120.5	123.9	125.8	124.4	120.6	114.5	110.8	103.9	120.0	131.1
	100.0	96.6	98.2	98.5	100.9	102.3	103.8	106.2	106.3	99.9	102.3	99.6	98.7			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	99.3	105.0	107.0	111.0	113.6	118.6	120.2	121.9	121.4	118.8	114.1	110.5	113.9	113.9	123.3	129.2
	114.6	114.4	114.2	114.6	113.0	109.0	107.7	108.3	107.6	105.2	104.0	99.3	99.9			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	93.6	99.3	102.9	105.9	108.2	114.4	116.1	117.6	116.6	110.3	100.0	95.0	98.1	99.5	115.6	123.5
	101.2	102.1	103.8	105.3	105.9	105.5	105.1	104.2	101.8	101.3	97.8	96.1				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	86.1	92.7	96.9	99.7	102.5	107.2	108.3	108.4	104.7	95.0	82.3	85.9	89.4	91.2	106.2	114.6
	92.6	93.9	95.3	96.2	96.3	95.8	95.6	94.7	92.4	92.2	88.9	86.8	83.9			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	83.0	88.8	92.9	95.5	97.9	102.3	101.2	96.4	84.5	75.7	68.5	75.0	80.0	82.8	100.6	107.6
	85.0	87.4	91.1	93.2	94.0	92.3	84.5	81.5	86.0	83.3						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	78.0	85.1	89.5	91.8	93.7	97.2	95.2	89.5	75.9	65.7	59.8	63.0	69.4	72.3	89.3	101.9
	72.4	73.6	78.6	82.0	83.1	78.5	76.3	75.2	69.0							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	75.8	81.6	86.1	88.1	89.8	92.4	89.4	83.7	74.4	60.0	57.1	60.4	62.7	63.7	78.1	97.1
	65.1	64.4	64.8	66.8	68.8	66.2	64.0	60.0								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	72.6	79.2	83.6	85.2	85.8	86.9	81.4	75.3	71.2	66.2	64.0	67.3	68.1	66.6	76.0	92.5
	67.5	68.4	68.1	66.0	65.3	60.9	55.7									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	69.7	78.2	83.1	83.5	82.7	82.9	78.8	72.6	73.6	72.4	67.9	68.5	72.0	74.1	79.5	90.6
	74.6	73.1	71.2	68.9	64.6	60.6	56.0									
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	69.9	77.5	82.8	83.9	83.8	82.1	79.0	69.9	70.1	68.9	64.6	69.6	73.1	74.7	80.6	90.7
	75.1	74.4	73.3	70.5	67.-	61.2										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	66.7	74.2	79.8	81.6	82.7	81.5	77.5	72.9	66.8	64.8	62.6	65.8	69.8	70.6	77.1	88.8
	71.9	71.2	69.9	66.5	61.1	56.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-274

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 274
DATE 25 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	98.9	104.2	107.5	110.9	113.4	118.0	120.1	123.2	124.6	122.8	118.5	113.3	113.0	111.9	122.3	130.5
	112.2	112.0	112.0	112.3	110.7	107.0	106.3	107.5	107.2	103.7	103.3	99.9	99.9			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	98.5	103.7	107.6	110.8	113.5	117.6	120.3	124.1	126.3	124.7	120.7	114.8	111.3	104.8	120.2	131.4
	100.8	97.4	98.9	99.4	101.5	102.4	103.6	106.0	106.5	100.3	101.8	100.0	99.3			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	99.3	104.6	107.3	111.0	113.3	118.5	119.9	122.1	121.8	119.2	114.2	111.0	114.2	'14.5	123.7	129.5
	115.0	114.9	114.9	115.2	113.5	109.2	107.9	108.6	107.9	105.6	104.4	99.8	100.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	93.7	99.1	103.3	106.0	108.1	114.2	115.9	118.0	117.1	110.8	100.5	95.2	98.2	100.1	116.8	123.9
	101.9	103.1	105.2	106.9	107.5	107.2	106.7	105.6	103.0	101.8	97.8	96.1				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	86.0	92.4	97.2	99.9	102.5	107.3	108.2	108.8	105.2	95.5	83.4	87.4	90.2	91.7	105.6	114.7
	91.9	91.9	93.8	95.4	95.7	95.3	94.8	94.2	91.9	91.8	88.6	86.6	84.0			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	83.0	88.5	93.1	95.8	97.9	102.6	101.3	97.2	84.5	77.7	69.6	74.1	78.5	81.7	97.5	107.4
	85.4	87.1	87.9	88.7	89.9	89.4	85.4			82.6						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	78.1	84.6	89.5	91.9	93.6	97.3	95.2	90.0	78.2	71.1	62.0	65.0	69.4	71.3	87.9	101.8
	72.3	72.7	74.5	78.1	81.2	80.6	73.8	71.4	67.3							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	75.9	81.0	86.0	88.3	89.7	92.5	89.4	84.2	74.1	67.2	61.1	60.7	63.8	67.5	78.6	97.2
	67.6	69.8	68.5	67.7	66.5	64.6	61.5	57.3								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	72.8	78.6	82.9	83.9	84.4	85.2	79.7	73.1	67.7	64.0	63.5	67.4	69.8	72.8	79.6	91.4
	74.0	73.1	73.0	69.8	66.3	63.3	57.8									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	70.7	78.6	83.4	83.0	82.1	83.0	78.4	72.3	66.0	63.2	61.2	65.1	68.6	68.4	75.8	90.0
	68.6	68.7	68.3	66.9	63.1	61.2	53.7									
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	70.5	78.1	83.6	84.1	83.2	83.4	80.1	76.1	67.8	64.8	60.2	63.9	70.5	71.1	77.7	90.8
	71.7	71.1	70.5	67.8	64.4	61.5										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	66.9	75.0	80.7	82.1	82.1	81.4	78.5	74.6	67.6	62.3	60.4	62.4	66.4	69.6	75.8	88.9
	68.8	69.1	69.2	66.1	62.6	59.3										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-275
DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 275
DATE 25 SEP 80

MICROPHONE:
ARRAY 04

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	98.6	103.6	107.1	110.5	113.3	118.0	120.5	123.0	124.2	122.8	118.6	113.3	113.0	111.8		122.1	130.4
	112.1	111.7	111.6	112.2	110.8	107.3	106.4	107.4	107.4		103.3						
S	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	98.2	103.2	107.3	110.4	113.4	117.5	120.7	123.9	125.9	124.7	120.8	114.8	111.2	104.6		120.0	131.2
	100.3	96.9	98.1	98.5	101.3	102.4	103.4	106.0	106.6		101.8						
T	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	98.9	104.0	107.0	110.6	113.2	118.4	120.3	121.9	121.4	119.0	114.1	110.8	114.3	114.4		123.6	129.4
	115.0	114.7	114.5	115.1	113.6	109.6	108.1	108.5	108.0	105.3	104.4	99.8	100.3				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	93.3	98.4	102.8	105.4	107.7	114.0	116.0	117.6	116.5	110.4	99.9	94.7	98.4	100.6		116.6	123.6
	102.5	103.6	105.3	106.9	107.5	107.0	106.2	104.8	101.5	100.5	97.4	95.6					
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	85.6	91.6	96.6	99.3	102.2	106.9	108.1	108.2	104.3	94.9	82.0	84.8	88.4	91.1		107.7	114.6
	93.2	94.4	96.1	97.3	97.8	97.7	97.8	97.0	95.0	94.8	91.3	89.3	86.5				
C	DIST FROM SOURCE: 423 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	81.5	87.0	91.9	94.4	97.1	101.8	101.3	97.1	84.2	77.4	69.5	72.3	76.3	78.0		100.4	107.2
	81.1	83.1	86.3	89.3	91.9	92.8	92.5	90.4	86.5								
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	77.8	83.9	88.9	91.0	93.1	96.5	94.9	88.9	75.1	69.8	64.3	67.2	70.0	70.8		85.6	101.2
	70.4	69.4	71.3	74.0	77.0	77.3	74.8	69.7	71.0	66.4							
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	75.0	79.3	84.1	86.1	88.1	91.0	88.4	81.9	70.1	67.5	65.6	68.5	72.2	73.8		83.8	95.8
	75.9	76.8	77.1	75.4	73.0	69.6	65.6										
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	73.0	78.0	82.4	83.0	83.6	84.6	79.8	75.4	66.4	57.7	57.1	64.3	71.3	74.7		85.1	91.7
	77.3	79.3	79.8	76.7	74.3	70.1	60.8										
G	DIST FROM SOURCE: 2079 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	71.0	78.3	83.6	83.0	82.9	83.9	80.8	76.7	71.6	65.1	61.0	61.2	68.3	72.7		79.9	91.0
	74.1	73.3	70.6	72.3	69.2	64.7	57.3										
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	70.6	77.2	83.5	84.3	84.1	84.7	82.5	77.8	72.1	65.8	63.7	68.4	70.7	73.2		78.5	91.6
	73.4	71.0	69.3	68.3	65.3	61.8	57.7										
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	66.2	73.8	80.3	82.1	82.6	82.2	80.7	74.0	69.2	65.1	63.7	69.0	72.5	73.3		79.3	89.7
	75.3	73.1	70.6	67.5	64.7	61.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-276

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 276
DATE 25 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	98.9	104.2	107.5	110.6	113.6	118.0	120.2	123.3	124.3	122.8	118.4	112.7	112.6	111.4		122.1	130.4
	111.5	111.4	111.3	112.0	110.9	107.7	106.7	107.8	107.3	103.8	103.6	99.9	99.8				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	98.4	103.7	107.6	110.5	113.7	117.5	120.4	124.2	126.0	124.8	120.6	114.2	110.6	104.1		120.1	131.3
	99.7	96.4	97.9	98.5	100.7	102.1	103.8	106.4	106.5	100.1	102.5	99.9	98.7				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	99.3	104.6	107.4	110.8	113.5	118.4	120.0	122.2	121.5	119.0	114.1	110.4	114.0	114.0		123.5	129.3
	114.4	114.3	114.2	114.9	113.7	110.1	108.5	108.8	108.0	105.8	104.5	100.0	100.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	93.4	98.8	103.0	105.5	107.7	113.8	115.7	117.8	116.4	110.1	99.4	93.6	97.5	99.4		115.7	123.4
	101.3	102.5	104.5	106.3	106.8	106.3	105.3	103.1	98.7	98.6	95.7	94.1					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	85.6	92.0	96.8	99.1	101.7	106.2	107.4	107.9	103.7	94.2	79.9	80.9	85.3	87.3		106.8	114.0
	89.6	91.2	93.6	96.1	97.6	98.3	98.4	96.3	92.6	90.7	84.7	83.7	81.2				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	81.3	87.5	92.2	94.5	96.8	101.2	100.5	97.3	83.9	75.3	69.0	71.3	73.5	75.2		92.9	106.2
	77.9	78.5	81.2	83.4	84.6	84.3	82.4	80.1									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	77.3	84.2	89.1	91.2	93.0	96.3	94.8	89.4	75.2	66.9	62.3	64.8	69.3	71.2		82.0	101.0
	70.7	69.7	69.5	69.7	69.0	67.7	65.2										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	74.4	79.6	84.7	86.1	87.6	90.6	88.2	83.0	73.0	61.9	58.7	60.9	64.1	66.6		77.9	95.4
	68.0	70.4	72.4														
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	72.8	78.7	83.0	83.6	84.3	85.6	81.8	78.8	70.1	59.1	56.6	60.5	62.1	64.6		79.2	91.7
	68.2	69.0	72.1	73.5	71.0	65.6											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	70.1	78.5	83.7	83.4	83.4	84.9	82.3	79.2	74.4	67.8	63.1	62.0	63.1	65.1		76.1	91.4
	68.1	69.5	67.6	67.5	63.7	61.1	56.2										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	69.0	77.4	83.6	84.2	83.9	85.0	83.2	79.3	73.3	67.5	62.6	64.7	67.3	68.0		77.5	91.8
	70.2	71.5	69.1	68.6	65.8	61.5											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	65.2	73.7	80.2	82.0	82.6	82.6	81.8	76.8	69.8	65.5	62.4	64.0	67.1	68.5		77.9	89.7
	69.6	71.8	71.7	69.2	66.1	61.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-277

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 277
DATE 25 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	99.4	104.6	108.8	110.9	114.8	118.6	121.7	124.3	125.6	125.1	122.7	119.5	122.4	121.1		127.0	133.3
	119.5	117.9	115.6	113.5	112.3	110.8	111.2	111.9	111.9	109.5	108.6	105.8	106.0				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	98.9	104.4	108.6	111.0	114.9	118.3	122.0	125.2	127.0	126.4	123.7	119.3	121.3	119.4		125.1	133.4
	114.8	108.5	104.6	105.8	107.7	108.2	109.3	111.0	111.7	108.9	107.9	106.7	106.8				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 22 SEC		
	99.9	104.8	108.9	110.8	114.6	118.9	121.3	123.2	123.7	123.2	121.4	119.6	123.3	122.3		128.4	133.1
	121.7	120.7	118.4	116.1	114.5	112.4	112.6	112.6	112.2	110.0	109.2	104.7	105.0				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 22 SEC		
	91.5	96.8	101.2	102.9	106.8	111.0	113.2	114.9	114.2	109.5	101.0	95.3	100.3	101.5		115.5	121.5
	102.9	103.8	105.0	105.7	105.9	106.8	104.7	102.3	99.2	100.1	96.6	95.6	92.9				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 21 SEC		
	89.2	93.6	98.6	99.8	103.4	107.3	108.3	108.9	106.0	97.0	83.2	85.3	90.1	92.5		109.4	115.5
	94.5	96.2	98.3	100.2	100.8	101.5	99.6	95.8	92.2	91.7	89.6	86.6	83.9				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	81.6	86.9	92.4	93.9	97.9	100.7	99.8	94.9	84.5	78.3	69.3	72.2	76.4	78.1		100.4	106.5
	80.2	83.5	86.9	90.5	93 3	94.1	91.3	82.2	82.9	78.5							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	76.3	80.9	86.8	88.9	91.9	94.5	92.6	88.1	75.1	63.6	61.6	64.7	67.5	69.0		81.6	99.3
	68.5	68.7	68.7	69.2	69.6	71.8	70.8	62.3									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	73.8	77.9	83.7	84.5	87.2	88.8	85.9	77.8	68.7	59.9	56.5	59.4	63.3	64.0		74.6	93.7
	64.8	65.5	65.4	63.9	61.7	59.0											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	67.3	73.9	77.9	79.2	81.8	81.7	79.8	75.3	65.2	55.1	51.6	54.8	56.4	58.2		68.8	87.9
	59.3	59.4	59.1	58.0	56.0	53.5											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	64.0	70.4	76.3	76.3	78.7	79.2	76.2	69.6	55.5	51.3	50.1	53.5	56.8	57.0		66.3	85.0
	58.0	57.1	57.8	56.4	53.6	51.2											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 23 SEC		
	63.1	69.9	76.2	75.5	77.4	79.9	74.9	67.2	58.1	54.0		52.5	56.6	57.1		66.1	84.5
	57.8	57.4	57.1	56.6	54.0	49.5											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-278

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 278
DATE 25 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.4	105.0	108.5	111.0	114.7	118.4	121.7	124.2	125.7	125.0	122.6	119.5	122.5	121.0	127.0	133.2
	119.4	117.8	115.7	113.4	112.2	110.8	111.3	112.0	112.0	109.5	108.9	106.0	106.0			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.0	104.8	108.3	111.1	114.8	118.2	122.0	125.1	127.0	126.3	123.6	119.3	121.5	119.4	125.1	133.4
	114.9	108.3	104.5	105.9	107.9	108.4	109.5	111.0	111.7	109.0	108.3	107.0	106.5			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	99.8	105.3	108.7	110.9	114.6	118.7	121.4	123.1	123.8	123.1	121.3	119.6	123.4	122.2	128.3	133.0
	121.6	120.6	118.6	116.0	114.4	112.4	112.6	112.8	112.3	109.9	109.3	104.8	105.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	91.0	96.9	100.7	102.9	106.4	110.5	113.1	114.6	114.1	109.4	100.6	95.2	100.7	101.9	116.5	121.6
	103.8	104.9	106.5	107.5	107.6	108.2	105.2	101.5	99.1	100.8	96.9	95.3	93.2			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	88.4	93.6	97.9	99.6	102.9	106.6	107.9	108.4	105.8	96.7	82.4	85.0	91.1	93.3	110.1	115.3
	95.4	96.9	98.9	100.7	101.7	102.5	100.7	96.6	91.8	89.5	89.1	86.2	82.9			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	81.1	86.9	91.8	94.0	97.3	100.4	99.9	94.9	85.4	79.4	68.8	72.7	77.9	80.5	102.5	106.9
	85.6	88.3	90.8	93.4	95.3	95.5	93.2	86.2	83.2	83.7	76.9	76.1				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	75.1	80.5	85.8	88.6	91.4	94.3	92.9	87.8	74.9	63.0	60.7	64.3	66.9	67.3	92.4	99.7
	70.9	75.8	81.3	83.5	86.1	85.9	80.5	75.2	71.3							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	71.7	76.5	81.9	82.4	84.4	85.4	82.3	76.4	65.2	58.4	54.9	58.5	62.0	62.8	76.3	91.0
	64.2	65.5	65.8	68.3	68.7	67.1	66.5									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	66.5	71.5	74.8	76.8	76.8	76.5	74.8	70.2	61.0	52.5	50.3	54.7	56.7	57.2	65.9	83.7
	57.8	57.4	57.6	55.8	53.4	50.7										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	63.6	68.5	72.4	73.7	74.5	74.7	70.8	64.2	55.0	47.6	49.1	52.2	55.2	55.9	63.8	80.9
	56.9	56.9	56.3	54.6	52.6											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	62.1	68.9	72.8	72.7	73.9	75.1	70.5	62.2	54.9			52.0	54.7	55.1	63.9	80.7
	55.8	57.2	56.0	54.5	52.8	46.9										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-279

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 279
DATE 25 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	98.6	103.8	107.1	109.9	113.2	117.7	119.9	122.5	124.0	122.4	118.2	114.0	113.4	112.0	122.3	130.1
	112.1	111.5	111.3	112.4	111.6	108.7	107.7	107.2	106.8	103.9						
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	98.1	103.3	107.3	109.9	113.3	117.3	120.1	123.4	125.6	124.2	120.1	115.3	111.9	105.9	119.1	130.8
	101.2	96.6	96.7	97.0	97.6	97.5	97.5	99.5	100.1	94.8						
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	99.0	104.2	106.9	110.0	113.1	118.2	119.8	121.5	121.4	119.1	114.7	112.3	114.5	114.4	124.2	129.4
	115.0	114.5	114.2	115.4	114.5	111.5	110.5	109.9	109.3	106.7	105.5	100.9	101.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	93.3	98.6	102.7	104.8	107.5	113.6	115.3	116.8	116.3	110.4	101.3	96.1	97.5	99.0	113.2	122.7
	100.4	100.8	101.6	102.7	102.9	102.1	101.6	100.5	98.6	98.1	95.1	94.4				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	85.7	91.9	96.7	98.9	101.9	106.7	107.7	107.8	104.6	96.0	83.7	84.5	86.5	87.9	101.1	113.8
	89.6	90.1	90.8	91.0	90.4	89.1	87.6	86.2	85.2	82.3	79.3					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	81.1	87.1	91.9	93.9	96.5	101.4	100.4	96.7	83.2	77.2	69.0	71.2	72.7	73.7	87.5	105.9
	74.9	74.2	75.4	76.1	74.7	73.7										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	76.4	82.8	87.8	89.6	92.0	95.9	94.4	89.4	75.9	67.7	59.9	62.4	64.2	65.5	80.5	100.4
	66.4	67.4	67.0	66.2	65.7	64.1										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	73.4	77.7	82.9	83.9	85.9	89.2	87.1	81.7	72.6	62.9	55.7	58.8	60.4	61.9	74.0	93.8
	62.6	61.9	61.4	60.8	59.6	57.5										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	71.2	76.8	79.9	80.8	81.7	83.5	79.4	73.5				57.1	59.6	58.9	69.1	88.8
	59.8	60.6	59.9	58.5	56.6											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	67.1	76.4	81.9	78.9	80.1	82.1	76.6	71.6	65.4			61.9	62.9	62.3	68.8	87.9
	61.6	60.0	59.9	58.6												
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	64.0	75.1	82.0	81.2	78.1	82.1	77.5	77.0	67.0	59.3	58.6	65.4	68.2	68.1	72.7	88.4
	66.3	63.6	62.4	60.6	58.5	55.2										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	59.6	71.0	78.8	79.8	76.8	78.3	77.0	71.4	66.7	60.3	58.5	65.7	67.0	65.6	70.9	85.9
	65.2	62.6	59.7	58.3	56.7	53.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
ONEGA 12.2
TEST AA-104-280

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 280
DATE 25 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	98.0	103.5	107.1	109.8	113.2	117.6	120.0	122.8	124.1	122.5	118.3	114.0	113.9	111.9	122.3	130.2
	112.1	111.4	111.3	112.4	111.6	108.6	107.7	107.2	106.8	103.7						
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	97.5	103.1	107.3	109.8	113.3	117.1	120.2	123.6	125.7	124.3	120.2	115.4	111.8	106.1	119.2	130.9
	101.2	96.6	97.0	97.1	97.7	97.4	97.4	99.2	99.9	95.1						
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	98.5	103.9	106.9	109.9	113.0	118.0	119.7	121.7	121.6	119.1	114.7	112.0	114.4	114.3	124.1	129.4
	114.9	114.4	114.2	115.3	114.5	111.5	110.5	109.8	109.4	106.4	105.4	100.9	101.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	92.9	98.4	102.8	104.8	107.4	113.4	115.4	117.2	116.6	110.5	101.4	96.2	98.0	99.5	114.3	123.0
	101.1	101.6	102.7	103.9	104.2	103.6	103.1	102.2	100.4	100.0	96.9	96.1				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 41 SEC	
	85.2	91.7	96.7	98.7	101.8	106.5	107.9	108.3	105.0	96.2	83.9	85.2	87.6	89.5	102.2	114.0
	90.8	91.1	91.7	92.1	91.5	90.5	89.4	88.0	85.6	84.1	81.1	80.4				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	80.5	86.8	91.9	93.8	96.6	101.4	100.6	97.0	83.6	76.7	68.3	71.7	74.1	76.6	90.0	106.0
	77.2	79.1	81.2	81.1	79.4	78.6										
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 41 SEC	
	75.0	81.6	87.0	88.7	91.1	95.0	93.6	88.8	75.6	65.5	62.2	62.2	65.4	64.1	79.8	99.5
	65.6	64.2	65.2	66.1	64.9	63.6	60.4	57.8								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	72.9	77.8	82.9	83.5	85.6	88.7	86.4	81.9	71.9	59.1	55.3	58.5	60.9	61.5	73.8	93.5
	62.1	62.2	61.9	60.9	59.7	57.0										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	70.1	75.5	78.5	80.1	80.4	81.6	77.3	73.1	63.5	55.6	55.5	57.6	59.2	59.3	68.0	87.5
	59.6	58.3	58.1	57.2	54.8	52.2										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	66.8	75.5	80.6	76.4	79.8	80.8	77.0	72.7	67.9	62.7	58.8	59.7	61.9	62.1	68.9	87.0
	61.5	60.0	58.8	57.7	54.9	51.8										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	64.4	74.9	81.3	78.9	75.7	81.7	75.0	75.6	71.9	64.4	60.6	64.2	66.5	66.2	72.5	87.3
	67.1	65.6	62.8	59.0	57.4	54.0										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 40 SEC	
	60.2	71.8	78.6	78.0	72.3	78.9	73.6	74.6	71.0	64.4			62.6	63.6	69.9	85.1
	65.3	64.5	60.4	56.2	53.6											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-281

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 281
DATE 30 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	96.4	101.9	105.6	108.8	111.2	115.6	118.6	121.2	123.1	123.1	120.8	118.1	119.5	119.2		124.8	130.9
	117.5	115.5	113.3	112.4	110.6	108.4	108.6	108.8	108.0	106.2	104.9	101.3	102.0				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	96.1	101.6	105.6	109.0	111.5	115.5	119.0	122.1	124.4	124.3	121.4	117.6	116.6	115.6		121.5	130.7
	110.6	105.7	103.7	103.3	104.0	104.0	103.8	105.0	105.5	103.1	101.5	99.7	100.1				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	96.7	102.2	105.6	108.7	110.9	115.8	118.2	120.1	121.2	121.6	120.0	118.6	121.2	121.2		126.6	131.0
	120.0	118.3	116.1	115.2	113.1	110.5	110.8	110.8	109.7	108.0	106.8	102.4	103.3				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	88.7	93.7	97.7	99.9	102.4	107.1	109.5	111.0	111.2	108.4	102.3	96.9	97.5	97.7		108.9	117.7
	97.9	97.3	97.7	97.5	97.2	98.1	96.3	95.7	95.1	94.2	89.5						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	86.0	90.0	94.6	95.8	97.9	102.2	103.2	104.0	102.4	97.6	89.1	85.8	86.6	86.6		97.6	110.2
	86.1	86.3	86.5	86.2	84.9	84.4	82.7	81.7	80.8	78.2							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	78.3	83.0	88.2	89.7	91.6	94.8	94.0	92.1	87.6	81.8	73.7	71.5	74.0	74.6		85.7	100.6
	75.3	75.6	75.3	74.9	74.0	72.9	71.4	68.8	66.2	63.8							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	72.1	77.4	82.4	84.5	85.7	88.8	86.5	82.7	72.8	64.8	63.9	66.4	68.9	70.0		78.1	93.8
	69.6	69.2	68.8	68.0	66.9	65.7											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	62.7	67.7	71.1	72.7	72.0	73.7	72.1	68.8	66.3	61.1	58.4	59.5	60.8	60.8		67.5	80.6
	60.3	59.6	58.7	57.1	54.7	52.1											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	60.5	65.1	67.3	67.5	68.2	68.8	65.4	63.3	60.7	57.3	59.2	61.0	60.3			65.4	75.8
	59.1	57.7	56.6	54.7	51.8	49.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-282

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT: NUMBER 282 DATE 30 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	96.4	102.1	105.8	108.5	111.5	116.0	118.3	121.1	122.7	122.7	120.7	117.8	119.4	119.6		124.8	130.7
	117.7	115.8	113.7	112.9	111.0	108.3	108.4	108.7	107.9	105.9	104.8						
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	96.1	101.6	105.7	108.7	111.7	115.8	118.7	121.9	123.9	123.8	121.3	117.2	116.3	115.7		121.0	130.3
	110.5	105.5	103.3	102.5	102.8	102.6	102.2	103.1	103.8	101.3	100.1						
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	96.7	102.5	105.9	108.3	111.3	116.1	117.9	120.1	121.0	121.3	120.0	118.4	121.2	121.6		126.8	131.1
	120.2	118.6	116.6	115.7	113.6	110.7	110.9	111.1	109.9	108.1	107.0	102.7	103.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	88.9	93.9	98.1	99.7	102.7	107.3	109.3	110.8	110.8	107.7	102.2	96.5	96.9	96.3		106.9	117.2
	95.9	94.9	95.0	94.7	94.0	94.6	93.0	92.5	93.0	91.3	87.3						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	86.2	90.3	95.0	95.8	98.3	102.6	103.2	104.3	102.4	97.4	89.1	84.4	84.7	84.4		96.6	110.3
	84.2	83.5	84.0	83.7	82.8	82.8	81.7	80.7	79.7	76.8							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	78.5	83.2	88.7	89.7	92.1	95.1	94.1	92.4	87.1	81.6	74.3	70.2	72.7	73.0		84.1	100.8
	73.1	73.2	72.8	72.8	71.6	70.5											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	72.0	76.8	82.2	83.7	85.5	88.9	86.1	83.1	73.2	64.4	63.7	66.2	68.7	69.0		77.4	93.6
	69.2	68.3	67.6	66.8	65.5	63.4	60.2										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	66.4	70.5	75.5	75.9	78.6	79.6	76.1	74.3	68.5	64.6	62.6	63.5	65.1	64.9		72.1	85.3
	64.6	63.8	63.1	62.6	60.8	58.1											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC		
			67.4	69.4	70.3	68.9	67.6	66.8	63.9	60.8	59.1	60.9	62.7	62.6		68.2	77.3
	61.8	60.7	59.6	58.2	55.4	52.1											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	59.0		64.3	65.5			63.8	63.3	60.0	57.2	57.7	60.4	62.8	62.1		67.0	73.5
	61.1	59.6	58.3	56.2	53.2	50.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-283

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 283
DATE 30 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	96.8	102.1	105.9	108.7	111.5	115.7	117.9	120.5	121.9	122.0	120.5	118.3	119.9	120.0	124.8	130.5
	118.3	116.4	114.5	113.7	111.8	109.0										
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	96.7	101.9	105.9	108.9	111.7	115.5	118.2	121.3	123.0	123.0	120.9	117.5	116.5	115.8	120.4	129.8
	111.0	105.7	103.2	101.5	101.4	100.5										
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	97.0	102.3	106.0	108.6	111.3	115.9	117.5	119.5	120.2	120.7	120.0	119.0	121.7	122.1	127.5	131.3
	120.9	119.3	117.3	116.6	114.7	111.7	111.5	111.7	110.8	108.9	107.9	103.5	104.0			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	88.8	93.6	97.6	99.3	101.8	106.3	108.0	109.5	109.2	106.7	101.9	96.9	94.4	92.2	103.4	115.9
	91.0	89.6	89.3	88.7	87.4	88.1	86.2	85.0		83.7	80.8					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	86.4	90.4	94.8	95.3	97.4	101.2	101.7	102.5	100.5	96.1	88.5	83.5	81.9	80.5	93.7	108.8
	80.0	79.6	79.4	78.6	77.8	77.5	75.7	74.1								
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	79.3	83.7	88.8	89.3	91.0	93.6	92.5	91.0	86.3	80.0	73.6	71.4	74.4	74.6	84.8	99.7
	74.9	74.9	74.9	74.3	73.1	71.9	70.2	67.1	64.3							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	73.4	78.0	83.4	84.8	86.3	88.9	85.8	82.2	72.6	63.7	62.9	65.8	69.3	69.6	77.6	93.9
	69.0	68.8	68.4	67.4	65.8	63.4	60.2									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	68.7	73.1	78.0	78.7	80.1	80.9	76.4	72.6	67.8	64.3	62.0	63.5	65.8	65.5	72.1	86.8
	65.1	64.1	62.7	61.9	60.2	57.2										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC						
		69.1	72.8	73.0	73.4	73.7	71.2	69.9	65.3	61.8	58.7	60.6	62.2	62.0	68.3	80.7
	61.5	60.7	59.7	58.2	55.5	52.2										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 32 SEC						
		65.0	68.4	68.8	68.4	68.7	65.4	63.7	59.9	56.0	55.7	57.5	60.2	59.7	64.7	75.7
	58.3	57.0	56.0	54.1	51.3	48.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-284

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 284
DATE 30 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	96.3	103.2	106.5	109.1	111.5	115.7	118.6	121.1	122.5	122.5	121.2	119.1	120.6	120.3		125.6	131.1
	118.6	116.7	114.7	113.7	111.7	108.9	108.8	109.0	108.2	106.2	105.3						
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	96.0	103.0	106.4	109.2	111.8	115.4	118.9	122.0	123.8	123.6	121.7	118.4	117.5	116.3		121.3	130.5
	111.6	106.5	104.0	102.5	102.5	101.7	100.6	101.1	101.8	99.3	98.2						
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	96.7	103.4	106.5	108.9	111.3	115.9	118.2	120.1	120.9	121.2	120.7	119.7	122.4	122.3		127.7	131.7
	121.2	119.5	117.5	116.6	114.4	111.4	111.5	111.7	110.7	108.8	107.9	103.4	104.3				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	88.7	94.7	98.3	100.0	102.7	107.0	109.3	110.8	110.6	107.8	103.2	98.2	97.7	97.5		108.6	117.4
	97.8	97.5	98.1	97.7	97.0	97.3	95.4	94.6	93.4	93.1	88.2	86.3					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	86.0	91.5	95.6	96.3	98.7	102.4	103.3	104.1	102.1	97.2	89.6	84.6	84.4	85.1		96.4	110.3
	84.1	84.1	84.4	83.8	82.7	82.3	80.8	79.7	77.9	75.7							
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	78.3	84.4	89.0	89.9	92.0	94.5	94.0	92.1	87.4	81.9	75.5	73.9	75.9	76.7		86.7	100.7
	77.1	76.8	76.7	76.4	75.1	74.0	72.7	70.3	67.9	64.4							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	72.1	78.5	83.3	84.7	86.6	89.2	86.1	81.9	73.2	67.8	66.4	69.4	72.7	72.9		80.5	94.1
	72.9	72.2	71.5	71.0	69.3	67.0	64.4	59.8									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	67.8	73.9	78.6	78.9	80.3	81.0	77.9	73.5	69.0	66.2	63.0	64.3	66.2	66.4		74.1	87.3
	66.6	66.4	65.4	65.1	63.0	60.2											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	63.5	69.7	73.9	75.0	74.4	74.7	72.5	70.5	66.3	62.0	58.7	60.1	62.6	62.4		70.0	82.4
	62.6	62.1	62.1	61.5	58.6	55.1											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	61.4	66.7	70.8	71.5	71.1	71.1	67.8	63.6	59.1	55.8	55.0	56.6	58.7	58.5		64.3	78.5
	57.7	56.4	55.7	54.0	51.4	48.5											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-285

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 285
DATE 30 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	97.2	102.8	106.3	109.0	112.0	116.2	118.5	121.0	122.5	122.1	121.1	119.5	120.8	119.9		125.5	131.0
	118.7	116.6	114.7	113.4	111.5	108.9	108.8	108.9	108.3	106.2							
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	96.9	102.6	106.2	109.3	112.3	116.0	118.9	121.9	123.7	123.1	121.6	118.8	117.9	116.2		121.4	130.4
	112.1	106.9	104.4	102.7	102.2	101.2	100.0	100.3	102.5	99.7							
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 27 SEC							
	97.5	102.9	106.4	108.8	111.7	116.4	118.2	120.0	120.8	120.7	120.5	120.1	122.5	121.9		127.6	131.6
	121.2	119.4	117.5	116.2	114.3	111.5	111.5	111.6	110.7	108.7	107.6	103.4	103.8				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	89.1	94.1	97.8	99.7	102.7	107.0	109.0	110.5	110.5	107.6	103.6	99.3	98.3	97.6		108.0	117.3
	98.2	97.1	96.9	96.3	95.6	95.9	94.2	93.5	92.7	92.6	87.9	87.1					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	86.5	90.8	94.9	95.7	98.1	101.6	102.4	102.8	101.1	96.3	89.6	84.0	83.8	82.1		94.7	109.3
	81.8	81.9	81.9	81.3	80.0	79.1	77.3	76.2		72.1							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	78.6	83.3	87.8	88.5	90.5	92.6	91.5	89.1	84.8	78.7	73.8	71.8	74.1	74.3		83.8	98.7
	74.4	74.4	73.8	73.0	71.8	70.5	69.0	66.1	63.1								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	72.6	77.3	81.7	82.5	83.8	86.1	84.0	80.4	71.7	64.0	64.7	67.6	69.6	70.4		77.6	91.7
	69.9	69.2	68.9	68.0	66.2	63.7	60.6										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	68.3	72.5	76.2	75.3	76.5	76.6	73.0	71.1	68.5	65.3	61.3	63.1	65.7	65.5		73.0	84.1
	65.7	65.6	65.1	64.3	62.1	58.9											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	63.8	68.1	70.9	68.9	69.2	68.7	65.9	66.1	64.2	59.6	56.6	58.4	60.2	60.7		67.3	77.9
	60.8	59.9	59.3	57.9	55.4	51.9											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	60.7	63.6	66.8	65.4	65.2	63.5	60.6	59.4	58.8	54.7	53.0	54.6	56.0	55.1		60.2	72.6
	54.:	52.7	51.8	50.6													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-286
DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 286
DATE 30 SEP 80

MICROPHONE:
ARRAY 04

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	94.7	100.7	103.5	106.7	109.7	113.0	115.2	117.4	118.1	116.6	113.6	107.7	104.4	103.6	114.8	124.5
	103.6	102.5	101.9	103.6	103.4	101.3	101.2	100.9								
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	94.2	100.3	103.8	106.7	109.9	112.7	115.5	118.2	119.7	118.5	115.3	108.8	102.1	97.6	113.4	125.4
	93.8	90.6	91.4	91.6	93.2	93.9	94.4	96.3								
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	95.1	101.0	103.2	106.7	109.6	113.3	114.9	116.3	115.6	113.4	110.5	106.4	105.9	106.0	116.1	123.5
	106.3	105.4	104.8	106.5	106.2	103.9	103.7	103.1		99.5	97.8					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	81.9	88.5	92.7	95.1	97.2	101.4	101.2	102.3	99.7	93.5	85.2	80.7	81.2	82.1	94.3	108.4
	81.9	81.6	82.7	82.5	81.7	81.1	80.4	80.0								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	77.6	84.0	88.0	90.2	92.1	95.7	94.7	90.7	82.1	76.8	71.3	72.2	75.0	76.0	86.0	100.8
	76.5	76.4	76.7	76.6	75.9	75.1										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	72.2	78.8	82.6	84.6	85.9	88.8	88.1	84.6	76.1	67.2	65.8	67.4	69.0	69.3	79.3	94.4
	69.7	69.7	69.8	69.5	68.6	67.0	64.2	60.3								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	66.2	71.6	74.9	75.6	76.6	77.5	74.7	71.7	68.4	63.0	62.1	63.6	65.1	64.6	71.1	84.1
	63.9	63.1	62.1	61.2	59.1	55.8										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC						
		68.0	71.0	70.7	68.7	69.2	67.0	67.2	64.8	59.0	58.3	61.5	63.3	63.0	69.2	78.5
	63.0	62.2	61.2	59.4	56.3	52.1										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	60.0	65.6	69.1	68.7	67.6	65.2	65.6	65.2	63.4	60.0	57.6	59.0	60.8	60.9	67.0	76.5
	60.5	60.1	59.2	57.7	53.9	49.7										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	60.8	65.0	67.7	67.2	66.7	65.9	64.6	65.0	62.5	59.2	56.5	57.6	59.5	58.8	64.4	75.6
	58.2	56.9	55.8	53.6	50.0	45.6										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	57.3	61.9	64.7	64.3	64.6	64.2	62.6	63.1	61.4		54.4		57.0	56.6	62.3	73.2
	56.1	55.2	54.4	51.8	48.3	44.0										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-287

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 287
DATE 30 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	96.0	101.6	104.5	108.4	111.8	115.8	119.0	121.5	123.0	121.7	116.4	110.1	108.7	109.0		119.0	128.7
	108.5	107.4	106.9	107.8	106.6	103.7	103.0	103.1	102.6	99.9							
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	95.5	101.4	104.8	108.4	112.0	115.7	119.3	122.4	124.6	123.6	118.4	111.1	105.9	102.0		117.7	129.7
	97.5	94.5	95.9	96.5	97.7	98.3	98.3	100.0	101.6	97.4							
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	96.4	101.9	104.2	108.3	111.6	115.9	118.5	120.4	120.3	118.2	112.6	108.7	110.5	111.6		119.9	127.3
	111.4	110.3	109.7	110.6	109.4	106.0	105.3	104.9	103.4	101.4	99.8	96.1					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	84.0	90.6	94.6	97.7	100.1	104.9	106.3	107.2	104.6	95.4	85.1	86.0	89.4	91.0		104.6	113.1
	92.6	93.9	95.8	96.2	95.3	94.3	92.8	90.8									
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 27 SEC							
	79.5	85.6	89.9	92.9	94.8	98.8	98.4	93.2	84.7	80.1	74.0	77.2	81.5	82.7		92.1	104.0
	82.4	82.4	83.5	83.3	82.4	81.7	81.7										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	73.9	80.0	83.9	86.5	88.4	91.6	91.4	87.5	77.5	69.0	66.7	68.5	71.2	71.6		82.1	97.1
	72.5	72.8	73.2	72.4	71.1	69.3	66.7	63.0	57.2								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	71.0	76.0	79.0	79.0	79.6	81.2	79.7	75.7	71.8	66.9	64.5	66.6	69.5	70.1		77.2	88.2
	70.4	69.6	69.0	68.2	66.1	63.1	59.2										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	67.3	72.8	76.1	76.5	76.0	77.4	75.3	71.8	67.6	61.5	59.4	63.6	66.5	66.5		73.1	84.5
	67.1	66.3	65.2	63.6	60.7	56.3											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	65.7	69.9	72.1	71.4	70.8	70.7	69.9	68.9	66.8	62.5	59.2	60.7	63.8	64.0		70.6	80.3
	64.7	64.0	62.7	61.0	57.5	53.6											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	65.4	68.8	70.4	70.4	67.7	67.9	67.9	66.1	64.6	61.4	58.1	60.7	62.9	62.3		68.7	78.1
	63.1	62.2	60.8	58.2	54.3	50.0											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	62.2	66.2	67.4	66.7	66.4	64.1	66.3	63.4	62.4	61.2	55.6	58.4	60.4	59.9		65.5	75.4
	59.5	58.4	57.2	54.4	51.2	46.9											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-288

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 288
DATE 30 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	95.8	100.8	104.0	107.1	110.9	114.6	117.5	119.7	121.0	120.6	116.2	109.0	107.3	108.2		118.2	127.3
	107.8	106.3	105.5	106.7	106.2	103.6	103.3	103.5	103.0	99.6	98.3						
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	95.5	100.3	104.2	107.1	111.0	114.3	117.8	120.6	122.7	122.6	118.3	110.3	104.4	100.9		116.9	128.3
	96.9	93.6	95.2	96.5	98.6	99.3	99.8	101.8	102.6	97.3	97.1						
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	96.1	101.2	103.8	107.1	110.7	114.9	117.1	118.6	118.2	116.9	112.1	107.1	109.1	110.8		119.0	125.9
	110.6	109.2	108.3	109.5	108.8	105.7	105.2	104.7	103.3	101.1	99.3	96.2					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	83.4	89.4	93.4	95.9	98.4	102.8	103.4	103.9	101.5	93.3	84.2	84.5	86.4	88.2		100.2	110.2
	88.8	89.7	90.7	91.1	90.6	89.3	88.1	86.4									
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 30 SEC							
	79.6	85.4	89.4	91.0	93.1	96.4	95.5	90.9	84.3	78.3	71.6	74.9	78.7	79.6		88.3	101.7
	80.1	79.5	79.5	79.2	78.3	77.3											
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	73.4	79.5	83.8	85.4	86.8	89.0	88.3	84.7	76.8	68.2	64.6	66.9	70.1	70.9		80.0	94.9
	71.0	71.1	70.8	70.2	69.0	67.1	64.1	60.0									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	68.6	73.3	76.9	78.6	79.5	80.9	79.2	75.9	70.3	64.2	61.3	63.1	65.0	65.1		72.7	87.1
	65.3	64.6	63.9	63.3	61.0	58.0											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	65.0	68.7	72.5	74.0	73.3	74.6	70.4	67.0	63.9	57.5	56.9	59.4	61.2	60.9		67.8	81.1
	61.2	60.4	59.7	58.3	55.1	50.8											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	62.3	65.1	67.4	68.5	69.4	69.0	66.9	64.5	61.7	59.4	56.4	57.1	58.7	58.3		64.3	76.6
	57.9	56.8	55.9	54.1	50.4	46.1											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 25 SEC							
	63.1	66.1	67.8		67.1	67.7	65.9	63.7	61.2		55.4	57.2	59.1	59.1		64.8	75.7
	58.8	57.6	56.8	54.6	50.8	46.1											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	59.3	63.0	65.4	65.4	64.8	65.6	63.4	62.8	59.6		52.8		56.6	56.7		62.0	73.4
	56.2	54.9	53.8	51.4	47.7	43.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-289

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 289
DATE 30 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	95.4	101.2	104.3	107.4	110.8	114.6	117.0	119.5	120.9	120.2	116.8	109.1	107.0	108.4		118.7	127.2
	108.3	107.1	106.6	107.9	107.1	104.6	104.3	104.8	104.3	100.8	99.8						
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	95.1	100.9	104.6	107.5	111.0	114.4	117.4	120.4	122.5	122.2	118.9	110.3	104.0	100.9		117.1	128.2
	97.1	94.2	96.3	97.7	99.7	100.6	101.4	103.5	104.1	98.1	98.4						
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	95.7	101.5	104.0	107.4	110.5	114.8	116.6	118.4	118.2	116.6	112.8	107.2	108.7	111.0		119.8	126.0
	111.2	110.0	109.4	110.6	109.7	106.7	106.0	105.8	104.4	102.4	100.9	97.1	97.8				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	82.6	89.6	93.7	96.0	98.3	102.7	103.2	104.0	101.9	95.1	86.8	84.4	86.9	87.5		99.0	110.2
	88.3	88.0	89.0	89.0	88.2	87.3	86.7	84.9		82.2							
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	77.3	84.3	88.5	90.6	92.9	96.5	95.6	92.2	85.1	78.6	73.2	74.2	77.9	79.3		89.5	101.8
	80.2	79.9	80.4	80.0	79.4	78.5	76.9	74.0									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	71.6	78.4	82.9	85.0	86.8	89.5	88.8	85.7	77.3	68.7	65.1	66.5	68.7	69.3		79.5	95.1
	69.8	69.8	70.0	69.6	68.2	66.7	63.7	59.6									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
		71.6	75.3	76.0	77.1	78.2	76.8	73.2	69.6	64.3	62.3	63.1	64.5	64.8		71.9	84.9
	64.7	63.9	63.2	62.5	60.4	57.4											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	64.1	69.9	73.0	73.7	73.9	74.4	70.0	68.7	64.7	59.2	59.0	61.9	63.9	64.2		70.4	81.5
	64.3	63.5	62.4	60.9	57.6	53.3											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	61.2	66.2	70.3	70.8	70.2	70.0	68.4	67.1	63.2	60.1		58.3	59.9	60.4		66.3	77.8
	60.3	59.1	58.4	56.6	53.0	48.9											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	61.4	64.5	68.6		68.7	69.4	67.4	65.8	62.7	59.5	56.5	58.0	59.9	59.9		65.7	76.5
	59.6	58.3	57.1	55.1	52.3	49.9											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	58.3	61.3	65.0	67.3	65.9	66.5	65.4	63.7	60.7		54.6	56.6	57.6	57.7		63.6	74.0
	57.2	55.9	54.9	52.9	50.6	49.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-290

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 290
DATE 30 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	94.5	100.5	103.6	106.1	110.0	114.0	116.1	119.3	120.8	120.5	116.5	108.2	106.6	108.0		117.7	126.9
	107.1	105.6	104.8	105.7	105.1	103.1	102.8	103.2	103.1	98.9	98.1						
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	94.2	100.3	104.0	106.2	110.2	113.8	116.5	120.3	122.6	122.6	118.7	109.8	103.4	100.8		117.1	128.2
	96.7	94.8	97.1	98.5	100.5	101.5	101.9	103.1	103.8	97.8	97.8						
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	94.8	100.6	103.2	106.0	109.7	114.1	115.7	118.1	117.7	116.2	111.6	105.8	108.4	110.6		118.0	125.1
	109.9	108.4	107.4	108.2	107.2	104.2	103.6	103.4	102.2	99.8	98.4						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	81.3	87.7	92.0	93.5	96.0	100.7	100.9	102.7	101.1	93.7	83.9	81.0	83.8	85.4		96.0	108.4
	85.7	85.2	85.3	85.2	84.1	82.9	81.5	80.1									
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	76.7	82.8	86.5	87.5	89.8	93.8	92.0	88.7	80.4	74.0	68.9	70.8	74.5	75.3		83.9	98.7
	75.3	74.6	74.9	74.3	73.2	72.3											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	71.5	78.3	82.3	83.2	84.8	87.8	86.6	84.0	76.3	69.3	66.2	67.8	70.9	72.3		80.9	93.5
	72.9	72.3	72.6	71.6	70.1	68.3	65.3	61.1									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	67.6	73.3	76.6	77.3	79.0	81.3	79.8	76.5	71.1	64.6	62.2	62.9	65.6	66.5		74.2	87.2
	66.8	66.3	65.9	65.3	62.8	59.6											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	63.4	68.6	72.4	72.6	72.7	74.5	70.9	67.9	61.0	56.0	55.3	58.1	60.4	60.7		67.6	80.7
	61.1	60.4	59.7	58.5	55.3	51.2											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	61.8	66.5	70.1	70.5	71.5	70.5			66.6	62.6		55.1	56.0	58.4	59.1	65.3	77.7
	59.0	58.3	57.8	56.0	52.1	47.8											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	61.6	66.3	69.3			72.3	70.7	68.6	65.7	63.5			57.6	59.7	60.1	66.1	77.7
	59.8	59.3	58.5	56.5	52.7	47.8											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	58.4	63.6	66.4			70.5	68.5	66.4	63.0	60.7		53.3		56.3	56.9	62.1	75.3
	56.2	55.1	53.9	51.3	47.9	43.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-291

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 291
DATE 30 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	96.2	101.6	105.3	108.1	111.2	115.3	118.4	120.7	122.3	122.0	120.0	118.1	119.7	119.4	124.8	130.4
	117.6	115.7	113.7	113.0	111.3	108.6	108.5	108.9	108.3	106.2	105.0					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	96.0	101.4	105.3	108.3	111.5	115.2	118.8	121.5	123.5	123.1	120.5	117.3	116.5	115.5	120.7	129.9
	110.5	105.4	103.0	102.1	102.5	102.3	102.0	103.0	104.4	101.5	100.3					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	96.4	101.8	105.4	108.0	111.0	115.4	118.1	119.7	120.7	120.7	119.4	118.7	121.5	121.4	126.9	130.9
	120.2	118.6	116.6	115.8	114.0	111.0	111.0	111.3	110.3	108.4	107.2	103.0	103.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	87.8	93.1	97.0	98.9	101.8	106.3	108.8	109.8	109.8	106.8	101.2	96.4	95.4	94.8	105.3	116.3
	94.2	92.8	93.0	92.7	92.1	92.5	90.8	90.0	89.1	88.5	83.6					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	85.3	89.6	93.8	94.7	97.0	101.2	102.2	102.4	100.6	95.7	87.2	82.0	81.8	81.7	94.5	108.8
	81.3	81.6	82.1	81.7	80.9	80.5	78.7	77.5		73.5						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	77.6	82.3	86.9	88.0	90.1	93.2	92.3	89.9	84.7	77.9	71.2	69.2	71.4	71.2	82.1	98.8
	71.0	70.8	70.5	70.1	69.1	67.9	66.3	63.6								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	71.5	76.6	81.6	83.5	85.0	88.4	86.1	82.2	73.4	65.7	63.0	65.7	68.4	68.3	76.9	93.2
	68.4	67.8	67.4	66.5	64.9	62.4	59.3									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 26 SEC						
			67.0	65.8	65.0	66.2	64.8	64.7	62.6		56.8	57.6	59.9	59.7	65.8	74.2
	59.5	58.5	57.4	56.0	53.6	51.4										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	65.4	70.2	73.4	73.5	74.6	76.6	73.8	70.9	67.0	63.1	61.0	62.5	63.7	63.5	69.9	82.7
	62.9	61.9	60.8	59.8	57.8	54.7										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-292

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 292
DATE 30 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	96.2 102.3 105.8 108.2 111.0 114.7 117.2 119.3 120.3 119.9 118.8 117.5 118.4 117.8 117.4 115.5 113.4 112.9 111.5 108.5 108.0 108.2	123.9	129.2
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC		
	95.9 102.0 105.7 108.3 111.2 114.5 117.4 120.0 121.4 120.7 119.1 116.3 114.5 112.8 109.2 103.6 100.7 98.5 98.1 97.2 95.9 96.6	118.4	128.1
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 33 SEC		
	96.5 102.5 105.9 108.1 110.9 114.9 116.9 118.4 118.9 118.8 118.6 118.5 120.4 120.1 120.1 118.3 116.3 115.9 114.4 111.3 110.9 111.1 110.0 108.3 107.2 103.0 104.0	126.5	130.1
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC		
	87.7 93.6 97.3 98.9 101.4 105.4 107.5 108.3 107.8 104.8 100.9 97.4 94.8 92.8 91.7 89.5 88.7 87.6 86.4 86.6 84.6 83.8 82.2	102.5	114.9
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 33 SEC		
	85.5 90.3 94.4 94.8 96.8 100.5 101.5 101.7 99.4 94.6 88.6 84.4 82.9 81.6 81.3 81.3 81.1 80.7 79.6 79.2 77.0 71.8	93.6	108.2
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 33 SEC		
	78.0 83.7 88.4 89.0 90.9 93.5 92.5 90.0 85.5 80.1 73.6 70.8 72.9 72.6 72.8 72.7 72.5 72.2 71.4 69.9 68.2 65.2	83.4	99.4
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 32 SEC		
	71.5 77.1 82.2 83.6 84.7 87.9 85.0 80.3 70.1 62.9 61.8 63.6 66.0 65.7 66.2 66.1 65.5 64.5 62.5 60.3 59.1	75.1	92.6
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 33 SEC		
	66.6 71.6 76.0 76.0 76.9 77.3 74.5 70.8 67.4 62.6 60.9 62.8 64.5 63.7 63.3 62.4 61.3 60.2 58.0 54.8	70.3	84.2
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 33 SEC		
	62.8 67.8 71.6 71.1 70.1 69.5 67.2 65.4 62.7 60.5 57.1 60.0 61.8 61.4 61.0 60.1 59.1 57.2 54.8 51.2	67.4	78.7
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 33 SEC		
	60.9 64.7 67.9 67.4 66.6 67.4 63.5 62.2 58.8 54.8 55.6 58.5 60.5 59.8 58.7 57.7 56.2 54.1 51.1 48.5	64.9	75.5

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-293

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 293
DATE 30 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	96.8	102.5	106.4	108.6	111.8	115.9	118.8	122.0	123.9	123.6	121.2	118.8	120.2	119.6	125.1	131.4
	118.1	115.8	113.9	112.8	110.9	108.4	108.5	108.7	108.0	105.8	104.9					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	96.5	102.3	106.4	108.8	112.1	115.7	119.2	122.8	125.2	124.7	121.8	118.2	117.3	116.0	121.9	131.2
	111.6	106.5	104.5	103.7	103.8	103.4	102.9	103.8	104.5	102.2	100.8					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	97.0	102.7	106.5	108.4	111.5	116.0	118.4	120.8	122.2	122.1	120.5	119.3	121.9	121.6	127.0	131.6
	120.6	118.6	116.7	115.6	113.4	110.6	110.9	111.0	109.9	107.8	107.0	102.9	103.8			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	88.4	94.2	98.5	99.8	102.9	107.3	109.7	111.6	112.0	108.9	103.2	98.3	97.4	96.2	106.7	118.0
	95.5	94.5	94.3	93.8	92.7	93.1	91.3	90.6		89.1	84.2					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	86.6	91.2	96.0	96.4	98.9	103.2	104.2	105.4	103.9	99.2	91.1	87.2	87.3	85.1	97.3	111.3
	84.6	84.5	84.3	83.6	82.4	82.0	80.3	79.0		75.2						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	79.3	84.4	89.9	90.6	93.0	96.2	95.6	94.2	90.5	85.1	77.3	73.0	74.8	75.2	86.9	102.2
	75.5	75.6	75.8	75.5	74.6	73.6	72.1	69.4		62.7						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	72.5	78.0	83.9	85.2	86.9	90.2	87.9	84.5	73.3	68.1	64.8	67.3	70.1	69.8	78.3	95.1
	70.1	68.7	68.2	67.5	65.4	63.1	60.1									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	67.8	72.7	78.1	78.4	79.4	81.2	77.1	73.2	69.9	65.4	62.3	63.9	66.1	66.0	73.3	86.9
	66.2	65.7	64.6	63.8	61.8	58.8										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	63.0	67.9	72.1	72.8	72.8	73.0	69.8	67.2	65.4	61.4	58.7	60.6	62.6	62.6	68.8	80.5
	62.3	61.4	60.5	59.0	56.3	53.0										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	58.6	63.4	68.6	67.9	67.8	68.6	64.4	61.8	59.8	56.5	56.0	57.8	60.0	59.1	64.4	76.0
	58.4	56.8	55.8	53.8	50.7											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-103-294

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 294
DATE 30 SEP 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	96.9	102.0	106.1	108.6	111.5	115.6	118.6	121.2	123.0	122.7	121.2	119.2	120.5	119.7		125.3	131.1
	118.4	116.1	114.0	112.9	111.2	108.7	108.8	108.9	108.0	106.1	104.9						
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	96.7	101.8	106.0	108.8	111.7	115.5	119.0	122.0	124.3	123.9	121.9	118.8	117.8	116.0		121.8	130.7
	111.5	106.3	104.3	103.6	104.0	103.8	103.6	104.4	105.1	102.1	100.4						
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.1	102.3	106.1	108.5	111.2	115.8	118.1	120.0	121.2	121.2	120.4	119.6	122.2	121.7		127.2	131.4
	121.0	118.9	116.8	115.6	113.8	110.9	111.1	111.0	109.8	108.1	107.1	103.0	103.8				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	89.7	94.4	98.5	100.3	103.1	107.4	109.9	111.2	111.3	107.9	103.0	97.2	97.9	98.0		108.4	117.8
	98.1	97.5	97.7	97.2	96.6	97.2	95.1	94.3		92.9	88.3						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	87.2	91.1	95.9	96.9	99.4	103.5	104.6	105.3	103.4	97.4	89.0	86.1	87.7	87.9		98.7	111.4
	87.8	87.3	87.3	87.1	86.0	85.9	84.4	83.6	82.0	80.1	74.4						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	80.2	84.5	90.0	91.2	93.5	96.4	95.5	93.0	89.2	84.0	77.3	75.1	77.9	78.1		89.3	102.2
	79.0	79.1	79.3	79.3	78.6	77.7	76.7	74.4	71.8	68.9							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	74.0	78.8	84.6	86.3	88.0	91.0	87.3	81.2	72.3	68.6	66.7	70.0	72.2	72.6		81.1	95.5
	72.7	72.3	72.7	71.9	70.2	68.0	65.7	61.8									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	70.0	74.6	80.0	81.1	83.1	84.5	81.2	77.4	72.7	69.4	66.7	67.6	69.6	70.0		78.7	90.2
	70.4	70.9	70.7	70.4	68.5	65.6	61.9										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC		
	64.5	69.7	74.3	74.9	74.2	75.7	73.4	70.3	67.1	62.2	58.7	60.4	62.1	61.9		69.8	82.7
	62.3	62.6	62.2	60.3	58.2	54.6											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	59.8	64.1	69.3	70.5	70.1	70.3	67.1	64.0	59.8	56.3	56.3	57.8	59.8	59.0		64.7	77.6
	58.3	56.9	56.1	54.1	51.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-295

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 295
DATE 30 SEP 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	96.9	102.4	106.0	108.7	111.9	116.1	118.5	121.6	123.3	123.3	121.4	119.3	120.3	119.7		125.2	131.3
	118.5	116.2	114.0	112.8	110.8	108.2	108.2	108.3	107.7	105.6	104.4						
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	96.6	102.3	105.9	108.9	112.2	115.9	118.9	122.5	124.5	124.3	121.9	118.6	117.4	115.8		121.6	130.9
	111.8	106.5	104.1	102.9	102.8	102.3	101.5	102.1	103.4	100.2	98.9						
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	97.1	102.6	106.1	108.6	111.6	116.2	118.2	120.6	121.5	121.8	120.8	119.8	122.1	121.7		127.2	131.6
	121.0	119.0	116.8	115.6	113.5	110.6	110.7	110.8	109.8	107.9	106.7	102.6	103.1				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	89.3	94.5	98.3	100.1	103.2	107.5	109.6	111.6	111.5	108.6	103.8	98.3	97.8	97.5		107.5	117.9
	97.5	96.9	96.7	95.6	94.3	94.4	92.2	91.5		90.4	86.2						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	86.8	91.0	95.4	96.3	98.9	103.0	103.6	104.8	103.1	98.3	90.1	85.9	85.7	84.5		96.4	110.8
	83.6	83.1	82.9	82.1	81.2	80.9	79.0	78.0		74.4							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	79.5	84.3	89.1	90.3	92.8	95.8	94.9	93.4	89.2	84.2	77.1	72.6	74.4	75.3		86.3	101.7
	75.3	75.9	75.8	75.0	73.9	72.7	71.3	68.8									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	72.5	78.0	83.2	85.3	87.5	90.5	87.7	83.9	72.9	65.0	65.0	67.4	70.4	70.8		79.9	95.2
	71.1	71.2	71.1	70.0	68.8	66.6	63.9	59.2									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	68.4	72.5	77.5	78.0	80.1	81.6	77.7	74.1	67.6	62.3	60.5	63.2	65.5	65.3		72.5	87.0
	65.4	64.6	63.6	62.8	60.8	58.0											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	63.5	68.0	70.8	70.6	71.2	70.8	70.0	68.9	63.6	59.1	57.2	58.8	61.1	61.2		67.2	79.3
	60.9	60.0	58.8	57.1	54.6												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	60.0	64.6	68.0	66.4	67.4	66.0	63.7	64.1	58.3	56.1	55.9	57.4	59.2	58.6		64.4	75.3
	58.1	57.6	56.1	54.1	51.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-296

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 296
DATE 30 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
C	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	93.9	100.5	103.4	106.1	109.7	113.2	115.8	117.6	119.2	118.5	114.9	107.2	105.8	107.4		116.9	125.5
	106.8	105.4	104.9	106.2	105.7	103.3	103.0	103.0		99.4							
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	93.7	100.0	103.7	106.2	109.8	112.9	116.1	118.5	120.8	120.4	116.9	108.4	103.0	100.5		115.1	126.5
	96.9	94.2	95.6	97.0	98.2	98.6	98.9	100.4		96.7							
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	94.0	100.9	103.1	106.1	109.5	113.4	115.4	116.5	116.5	114.9	110.9	105.6	107.5	110.0		118.3	124.4
	109.6	108.3	107.7	109.0	108.3	105.5	105.0	104.5	104.3	101.1	99.3						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	81.5	88.6	92.9	95.2	97.3	102.1	102.9	102.9	100.4	93.0	85.3	83.8	86.6	88.7		99.7	109.4
	89.3	89.4	90.7	90.7	89.7	88.5	87.2	85.3		81.9							
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	77.4	83.8	88.4	90.4	92.2	96.0	94.1	89.3	84.2	77.1	71.9	74.2	78.6	80.4		90.3	101.0
	81.2	81.5	82.1	81.9	80.9	80.0	79.5										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	71.3	78.3	82.7	84.6	86.2	89.4	88.1	83.4	74.5	67.8	65.1	67.1	70.8	72.6		81.0	94.6
	72.4	72.1	72.5	71.8	70.4	68.6	65.9	62.0									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	66.8	72.4	76.2	77.7	79.6	82.3	81.0	75.9	68.8	61.5	59.4	61.7	64.7	66.2		74.2	87.7
	66.1	66.0	66.1	65.4	63.5	60.4	57.7										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	62.4	68.0	71.6	72.4	72.6	74.0	70.3	66.3	62.5	57.0	57.1	60.2	62.8	63.9		69.4	80.5
	63.9	62.4	61.3	59.6	56.3	52.0											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	60.7	66.3	68.5	68.7	69.7	69.7	66.5	65.5	62.9		56.1	57.3	59.8	61.1		66.8	77.4
	60.9	59.7	59.0	57.4	53.4	49.3											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	61.9	66.0	68.6	67.7	68.4	69.2	66.2	64.8	61.7	58.3	55.5	57.8	59.3	59.7		65.8	76.8
	60.1	59.1	57.8	55.8	52.4	48.3											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	57.5	62.8	65.0	64.4	65.1	65.9	64.1	61.7	60.3		53.7		56.0	56.1		62.1	73.6
	55.9	55.1	54.3	52.0	48.6	45.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-297

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 297
DATE 30 SEP 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	95.1	100.9	103.7	106.8	110.7	114.4	116.9	119.7	121.4	120.6	116.1	107.6	106.1	107.0	118.2	127.3
	106.7	106.0	106.0	107.0	106.4	104.3	104.2	104.6	103.1	99.6	98.6					
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	94.7	100.5	104.1	106.9	110.9	114.3	117.5	120.8	123.2	122.7	118.4	109.0	102.9	98.8	117.5	128.5
	96.2	94.5	97.5	99.3	101.4	102.5	103.3	104.6	102.6	97.4	97.9					
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	95.4	101.2	103.4	106.7	110.4	114.4	116.2	118.3	118.2	116.3	110.7	105.4	107.9	109.6	118.7	125.4
	109.5	108.8	108.7	109.6	108.6	105.6	104.9	104.6	103.5	101.0	99.2	96.1				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	82.4	89.0	93.0	95.3	97.7	102.3	102.8	103.7	100.8	90.3	81.0	83.4	87.8	89.3	102.7	110.0
	91.1	92.3	94.0	94.6	94.0	92.6	90.9	88.5		82.0						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	78.3	84.3	88.3	90.9	93.4	97.2	95.1	89.7	83.2	76.1	71.2	75.6	80.8	81.6	91.9	101.9
	82.4	82.8	83.8	83.5	82.6	81.7	80.5									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	72.7	79.3	83.5	85.7	88.1	91.2	89.4	84.1	74.9	68.9	65.1	67.4	71.6	73.7	84.1	96.1
	75.0	75.3	75.9	75.5	74.7	73.0	69.9	65.5	58.7							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	68.7	75.1	78.6	80.3	82.9	85.2	82.8	76.9	68.9	62.2	60.5	61.8	65.2	66.8	75.5	90.1
	67.2	67.1	67.0	67.1	65.4	62.0	59.4									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	63.4	69.5	74.1	75.6	76.1	77.5	73.3	69.6	62.4	56.2	56.7	59.8	62.0	62.7	69.6	83.3
	63.1	62.4	62.2	60.2	57.0	52.5										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	61.1	66.4	70.6	71.9	71.8	71.7	66.9	65.3	61.4	58.4	55.1	56.8	58.6	58.4	64.9	78.9
	58.5	57.3	56.8	55.2	51.7	47.8										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	62.1	65.5	69.1	69.7	70.4	70.0	66.3	64.3	60.8	57.9	55.2	56.7	58.3	58.5	64.2	77.4
	58.1	57.0	56.0	53.8	50.1	46.4										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	57.8	62.2	65.7	66.9	67.8	66.8	63.3	61.2	59.0		52.9		55.1	54.8	60.7	74.3
	54.6	53.5	52.5	50.1	46.9	44.0										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: ONEGA 12.2 TEST AA-103-299

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 299 DATE 01 OCT 80

MICROPHONE: ARRAY 03

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	99.3	105.0	109.4	111.9	116.2	119.8	123.1	125.5	127.6	126.6	122.9	121.3	123.7	121.6		128.4	134.6
	119.5	117.0	114.1	115.0	115.8	114.8	115.0	115.4	114.0	112.4	111.4	107.2	107.3				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	99.1	104.9	109.5	112.3	116.6	119.8	124.0	126.8	129.2	128.1	124.0	120.9	122.3	118.1		127.9	135.2
	111.2	110.9	112.1	114.0	115.4	116.0	115.9	116.7	115.0	113.4	112.3	108.2	108.2				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	99.5	105.0	109.3	111.5	115.7	119.7	122.1	123.4	124.7	124.2	121.6	121.7	124.8	123.5		128.8	133.8
	122.2	119.4	115.5	115.7	116.1	113.1	113.8	113.5	112.7	111.0	110.2	105.8	106.2				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	92.3	97.1	102.0	104.0	107.7	111.8	113.9	114.4	113.0	105.6	92.0	98.1	104.1	106.0		116.7	121.8
	108.9	110.5	110.7	105.8	103.9	104.9	98.9	99.0	97.6	97.1	93.8	92.1	89.5				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	90.3	94.3	100.1	101.4	104.6	108.1	107.8	106.0	99.9	86.2	83.3	89.4	96.4	100.5		111.9	116.1
	104.7	107.1	106.0	98.7	99.9	99.3	95.3	93.7	92.2	91.6	88.1	84.9	81.3				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	83.8	88.8	95.2	97.0	100.3	102.0	98.8	89.7	84.1	73.3	69.9	77.4	86.7	92.9		101.6	108.0
	98.9	97.0	91.3	87.0	87.5	85.9	84.5	80.2	78.6	77.5							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	78.7	84.5	91.5	94.0	96.0	95.8	90.5	82.0	72.4	67.3	65.8	69.1	71.3	81.0		89.8	101.6
	87.9	84.3	81.3	74.5	73.3	71.8											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	74.7	79.8	86.6	86.8	86.3	84.3	80.8	73.5	72.6	69.2	66.2	67.4	67.5	74.8		79.2	93.1
	74.6	72.6	68.9	68.4	64.9	62.3	59.1										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	69.3	75.3	81.1	82.1	80.6	75.0	74.5	77.2	73.3	68.7	68.1	73.6	75.7	77.5		81.0	89.1
	77.4	71.2	72.9	68.0	62.1	61.7	56.8										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	65.2	71.1	77.5	78.3	79.1	78.0	71.0	64.9	63.8	64.1	66.0	70.2	74.9	73.6		77.2	86.1
	73.6	66.0	66.2	63.5	59.9	56.9											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	64.5	71.3	76.5	77.9	80.3	81.2	76.8	70.2	66.6	63.7	59.9	71.9	77.1	79.3		80.9	88.2
	77.1	72.4	65.7	65.0	63.5	56.0	53.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-300

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 300
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 / 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 98.3 104.3 108.9 111.2 115.6 119.2 122.7 125.4 127.1 126.3 122.7 120.6 123.4 121.1 118.5 116.0 113.2 114.3 114.8 114.1 114.3 114.8 113.4 112.1 111.3 107.5 107.6	127.8	134.2
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 98.0 104.3 109.0 111.6 116.0 119.3 123.5 126.8 128.8 127.8 123.8 120.3 122.2 118.0 111.1 110.8 111.8 113.5 114.9 115.4 115.3 116.3 114.8 113.5 112.7 109.3 109.3	127.6	134.9
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 33 SEC 98.6 104.3 108.8 110.8 115.2 119.2 121.6 123.4 124.3 123.9 121.3 120.9 124.4 122.9 121.1 118.3 114.3 114.9 114.7 112.3 113.0 112.4 111.2 109.9 109.1 104.4 104.9	127.9	133.3
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 33 SEC 91.3 96.7 101.6 103.4 107.2 111.3 113.4 114.5 112.9 105.6 91.9 97.3 103.8 105.9 108.8 110.6 110.4 106.0 104.9 105.0 98.7 98.2 95.9 94.6 91.0 88.7 86.7	116.6	121.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 32 SEC 89.5 93.8 99.8 100.8 104.2 107.7 107.4 105.9 99.3 86.2 85.4 92.1 98.7 100.8 103.7 106.3 104.6 97.5 97.8 97.9 92.2 92.6 91.0 89.6 86.2 82.7	110.8	115.5
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 32 SEC 82.7 88.4 94.8 96.4 99.8 101.6 98.4 89.9 83.4 72.6 71.2 78.6 86.7 92.2 98.1 98.4 91.3 87.3 89.8 86.8 82.9 81.6 79.5 76.6	101.9	107.8
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 26 SEC 77.6 83.7 90.9 92.9 95.2 95.3 90.4 82.8 71.8 64.2 62.4 64.7 75.3 83.0 88.8 85.5 79.5 76.2 71.7 72.5	90.5	101.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 73.3 79.1 86.3 86.5 86.2 84.2 80.9 72.8 72.5 70.5 69.3 75.4 81.3 84.7 85.5 79.9 75.0 75.1 69.2 68.7 66.8 60.6	87.8	94.5
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 33 SEC 68.2 74.7 80.6 81.9 80.3 74.7 74.7 77.2 72.0 68.6 66.7 67.4 74.6 77.8 78.4 75.1 79.7 79.1 72.7 68.6 67.0 58.9 56.3	85.4	89.8
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 32 SEC 64.7 70.6 77.1 77.8 78.7 77.5 70.1 64.6 65.7 65.3 65.4 67.7 80.9 82.6 79.5 73.4 75.0 69.5 64.3 61.2	84.1	88.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 33 SEC 63.4 71.0 76.3 77.4 79.7 80.9 76.7 68.7 66.2 62.5 61.6 73.9 76.3 78.1 73.2 70.5 70.4 68.1 67.3 62.1 54.9	80.1	87.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-301

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 301
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 33 SEC 98.6 105.1 108.3 111.3 115.2 118.8 122.5 125.3 127.0 126.0 122.7 120.8 123.5 121.1 118.4 115.8 113.2 114.5 115.0 114.3 114.4 114.8 113.5 112.1 111.2 107.4 107.4	127.8	134.1
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 33 SEC 98.3 105.1 108.3 111.6 115.6 118.8 123.4 126.7 128.8 127.6 123.8 120.6 122.3 118.0 111.0 110.9 112.1 113.8 115.3 115.7 115.6 116.4 115.0 113.7 112.8 109.2 109.1	127.8	134.8
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 98.9 105.1 108.2 110.9 114.8 118.7 121.5 123.2 124.1 123.5 121.0 121.0 124.4 122.9 121.0 118.1 114.1 115.1 114.8 112.3 112.7 112.2 110.9 109.7 108.8 104.3 104.8	127.8	133.1
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 33 SEC 91.6 97.5 100.8 103.4 106.6 110.9 113.3 114.2 112.6 104.9 91.5 97.9 104.4 106.8 109.8 111.3 110.9 106.2 105.4 104.7 100.2 98.3 97.4 96.1 92.6 90.1 87.6	117.1	121.7
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 32 SEC 89.8 94.7 98.9 100.8 103.7 107.4 107.4 105.6 99.2 85.3 83.0 89.7 97.3 101.1 105.4 106.9 104.1 99.3 97.5 96.8 91.7 91.6 90.4 88.5 84.9 81.7	111.1	115.5
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 33 SEC 82.9 89.1 94.0 96.4 99.1 101.0 97.9 89.9 84.8 73.6 71.8 78.1 84.9 90.4 97.6 98.2 92.2 85.4 86.1 84.9 79.5 78.6 76.3 73.2	101.2	107.2
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 32 SEC 77.3 84.2 89.8 93.0 94.4 94.7 89.7 81.6 71.1 66.1 67.6 69.4 70.6 78.4 88.1 86.4 77.1 73.4 70.4 68.6 62.5 59.0	89.8	100.5
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 33 SEC 73.7 80.1 85.5 86.6 85.8 84.0 80.3 72.2 71.4 69.6 69.8 77.1 83.4 87.0 89.0 82.3 83.2 80.9 75.2 76.8 74.9 71.4 68.3 67.8	91.8	95.9
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 33 SEC 68.7 75.8 80.4 82.4 80.0 74.6 75.0 76.7 71.3 68.1 70.2 76.2 74.4 80.9 83.3 75.9 79.3 73.3 66.6 66.8 59.1 55.4	85.7	90.5
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 33 SEC 66.0 71.6 76.6 77.9 77.8 76.7 69.6 62.8 63.9 64.3 66.7 73.0 83.5 81.8 79.9 76.3 74.2 69.6 65.8 62.5	84.7	89.2
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 33 SEC 64.2 71.9 76.1 77.4 78.9 80.1 75.9 67.7 64.7 61.1 63.4 73.1 72.4 75.9 77.4 72.7 69.5 63.9 59.5 53.4	79.8	87.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-302

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 302
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 98.6 104.9 108.7 111.6 115.4 119.1 122.4 124.8 127.0 126.0 122.2 120.5 123.4 121.2 118.9 116.8 113.9 114.2 115.0 114.1 114.2 114.9 113.5 112.0 111.5 107.5 107.4	127.9	134.0
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 98.2 104.8 108.7 111.9 115.7 119.1 123.2 126.2 128.7 127.5 123.2 120.1 122.0 117.7 111.0 110.6 111.5 113.4 114.8 115.4 115.3 116.4 115.0 113.4 113.0 109.2 109.0	127.5	134.6
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 32 SEC 99.0 104.9 108.8 111.3 115.0 119.0 121.5 122.9 124.2 123.6 120.7 120.9 124.5 123.1 121.6 119.3 115.4 114.8 115.2 112.3 112.8 112.6 111.4 109.8 109.2 104.7 105.0	128.2	133.2
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 31 SEC 91.3 97.0 101.5 103.7 107.0 111.3 113.5 113.9 112.8 105.2 91.9 98.6 104.9 107.0 109.8 111.6 111.5 107.1 105.4 105.2 101.7 98.5 97.7 96.7 93.1 90.8 88.1	117.6	121.9
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC 89.5 94.3 99.5 101.2 104.0 107.8 107.6 105.5 99.6 85.5 82.5 89.3 97.2 101.8 106.3 107.6 104.7 100.7 98.1 98.6 92.7 92.6 90.2 88.5 84.3 81.2	111.9	116.0
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 30 SEC 82.6 88.6 94.6 96.7 99.6 101.7 98.5 89.8 84.9 74.7 71.3 79.4 87.3 92.7 98.7 98.7 94.5 87.9 86.5 85.9 79.5 79.8 76.7 73.1	102.4	108.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 22 SEC 77.4 84.0 90.7 93.6 95.3 95.5 90.6 81.0 71.5 68.0 66.1 70.3 72.5 80.9 89.7 88.4 78.5 75.9 71.2 71.8	91.6	101.4
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 32 SEC 73.5 79.6 85.9 87.0 86.3 84.7 80.9 72.0 70.2 68.7 68.5 76.8 84.2 88.8 89.3 84.3 86.5 82.7 75.3 76.6 73.5 69.3 64.3	93.1	96.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 30 SEC 68.5 75.4 81.1 82.5 80.4 74.9 75.2 75.6 69.7 65.5 67.5 74.2 75.6 80.0 85.0 75.9 73.9 71.9 68.8 64.0 57.1	85.6	90.6
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC 65.4 71.2 77.4 78.2 78.4 77.0 69.3 63.1 63.8 63.4 65.6 71.3 81.5 79.7 75.5 70.7 69.7 63.7 59.2 56.3	81.5	87.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 30 SEC 64.3 71.5 76.5 77.7 79.3 80.1 75.3 65.1 62.6 58.2 62.3 70.1 74.3 81.2 79.1 70.1 65.9 68.4 63.4 56.6	81.8	87.9

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 303
DATE 01 OCT 80

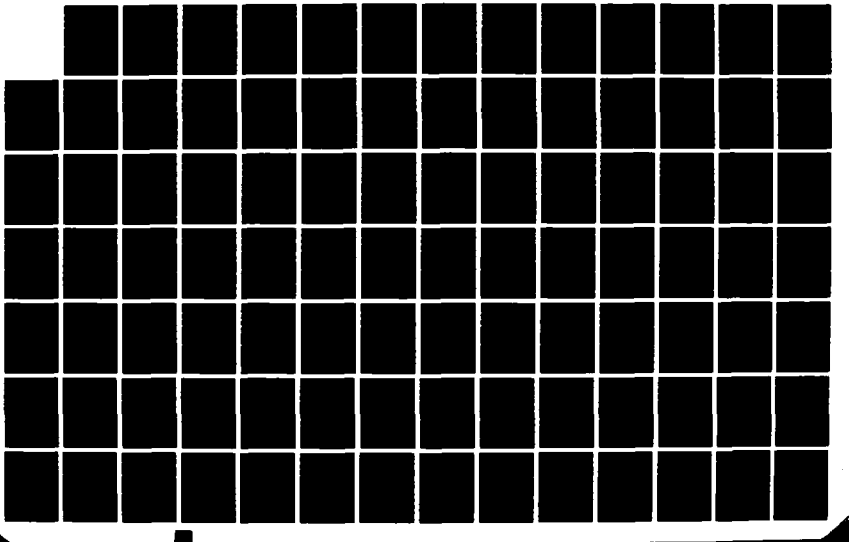
MICROPHONE:
ARRAY 03

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-303

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	99.0	104.8	108.9	111.7	116.0	119.3	122.7	125.0	126.8	125.8	122.8	120.9	123.5	121.5		128.0	134.1
	119.2	117.0	114.1	114.0	114.8	113.9	114.2	115.0	114.0	112.2	111.8	108.6	108.4				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	98.6	104.8	108.9	112.0	116.3	119.3	123.4	126.3	128.5	127.3	123.8	120.4	122.0	118.0		127.5	134.6
	111.7	110.9	111.5	113.1	114.4	115.0	115.1	116.4	115.4	113.6	113.3	110.6	110.2				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	99.3	104.8	108.9	111.3	115.5	119.2	121.7	123.0	124.2	123.6	121.5	121.3	124.6	123.4		128.4	133.4
	121.8	119.5	115.7	114.8	115.2	112.5	113.1	112.9	111.8	110.2	109.5	104.9	105.4				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 21 SEC		
	91.4	97.1	101.6	103.9	107.5	111.6	113.7	114.1	112.8	105.3	92.3	98.9	105.6	107.9		118.2	122.3
	110.8	112.3	111.9	107.8	105.5	106.0	102.2	99.8	98.4	97.8	93.8	91.7	88.8				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 22 SEC		
	89.4	94.6	99.7	101.4	104.6	108.2	107.8	105.8	99.5	86.5	86.4	92.5	99.0	102.5		112.6	116.5
	106.7	108.3	105.7	101.5	97.5	99.0	94.1	93.6	91.3	89.3	85.5	81.9					
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 22 SEC		
	83.0	89.0	94.9	97.1	100.3	102.0	98.8	90.6	85.0	76.2	76.4	83.9	91.8	96.5		104.4	109.1
	101.2	99.5	96.3	91.6	87.8	90.0	84.4	84.1	81.8	78.9	73.5						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	77.6	84.0	90.6	93.5	95.4	95.6	90.6	82.2	72.3	67.6	68.9	77.5	84.3	89.9		95.5	102.4
	93.8	89.5	83.6	82.2	78.6	78.4	73.9	70.5									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	73.2	79.3	85.9	86.8	86.3	84.7	81.1	70.0	69.2	67.3	68.4	78.6	86.6	88.5		90.8	95.9
	82.1	85.2	82.1	77.5	74.7	71.8	68.1	65.0									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	68.3	74.6	80.5	82.1	80.5	75.3	74.5	75.3	69.7	64.4	68.0	76.1	78.0	84.1		87.9	91.6
	83.4	80.3	82.4	74.3	70.4	66.8	60.2										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	64.9	70.2	76.7	77.8	78.4	77.7	70.6	60.9	60.8	61.2	65.9	75.5	84.1	82.2		83.6	89.0
	72.6	71.9	72.8	69.3	63.4	57.9											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	64.2	70.4	75.6	77.1	79.1	80.4	75.8	64.5	59.7	56.2	62.8	73.4	76.0	85.2		84.5	89.4
	81.1	70.3	64.6	66.0	60.3	52.8											

AD-A191 289 OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1 4/8
EXPERIMENTAL STUDY FOR..(U) HARRY G ARMSTRONG AEROSPACE
MEDICAL RESEARCH LAB WRIGHT-PATTE.. R G POWELL JUN 87
UNCLASSIFIED AAMRL-TR-84-017-VOL-1 F/G 20/1 NL



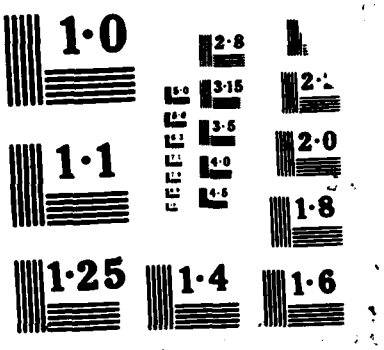

1·0
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1·25
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TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-304

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 304
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	96.5	101.5	105.1	108.1	113.5	116.2	119.9	122.3	123.1	119.2	113.2	110.9	113.0	113.1	113.3	112.4	111.3	109.9	108.6	108.1	108.3	107.9	106.0	103.9		98.3	98.2	121.5	129.0
S	DIST FROM SOURCE: 75 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	95.9	101.2	105.6	108.3	113.8	116.2	120.4	123.5	125.0	121.5	115.7	110.3	105.1	102.8	100.7	99.2	101.9	103.1	105.4	106.9	107.6	108.0	104.3	102.5		98.0	97.3	119.1	129.8
T	DIST FROM SOURCE: 75 METERS																			OVERALL SAMPLE DURATION: 32 SEC								
	97.1	101.8	104.6	107.8	113.2	116.2	119.3	120.7	119.6	114.0	106.3	111.5	115.7	115.9	116.2	115.3	114.1	112.4	110.4	109.0	108.8	107.8	107.2	104.9	103.3	98.6	99.0	123.0	128.1
A	DIST FROM SOURCE: 134 METERS																			OVERALL SAMPLE DURATION: 32 SEC								
	90.7	96.4	100.7	103.5	107.8	111.9	115.4	116.2	113.0	101.7	88.8	98.0	102.2	104.3	106.1	108.1	108.7	107.7	104.7	101.8	103.5	101.3	97.9	97.3	93.6	91.7	88.3	115.9	122.1
B	DIST FROM SOURCE: 238 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	84.7	91.9	96.3	99.2	102.8	106.3	107.6	105.6	97.9	81.1	83.1	93.4	98.6	102.5	105.1	106.9	105.7	102.1	100.5	99.7	96.0	95.5	90.9	88.2	84.8	82.1		112.3	115.7
C	DIST FROM SOURCE: 423 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	81.3	87.6	92.1	94.5	96.9	99.4	95.0	87.2	82.0	72.0	74.8	80.9	86.5	91.3	94.1	93.1	96.0	96.3	91.5	88.0	88.2	83.9						102.3	106.1
D	DIST FROM SOURCE: 753 METERS																			OVERALL SAMPLE DURATION: 32 SEC								
	78.8	86.6	91.3	93.2	94.4	93.6	86.5	84.9	80.1	69.6	69.4	78.3	86.8	91.8	91.9	93.1	93.4	85.5	83.8	84.7	78.8	72.7	66.7					98.5	102.7
F	DIST FROM SOURCE: 1757 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	76.5	81.0	82.0	83.8	83.8	83.3	83.7	86.4	85.0	78.1	83.2	90.0	90.3	86.2	84.1	82.7	81.5	78.7	77.8	72.4	69.6	63.0						91.8	97.4
E	DIST FROM SOURCE: 1255 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	78.6	84.4	88.2	87.7	85.7	80.1	85.1	89.7	90.9	82.9	82.3	88.0	89.2	88.9	91.2	90.7	82.3	83.0	83.4	78.7	76.9	72.1						95.6	100.1
G	DIST FROM SOURCE: 2079 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	72.1	76.5	85.0	85.3	79.2	81.8	82.0	83.3	79.9	75.4	82.2	88.3	90.0	87.3	83.5	81.8	78.6	75.7	73.9	69.3	64.4							90.8	96.4
H	DIST FROM SOURCE: 2273 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	72.2	84.4	87.7	80.4	88.5	90.3	94.1	91.0	86.7	84.2	88.6	91.9	93.9	90.7	87.6	87.8	85.0	82.5	80.6	77.2	73.4	71.9						95.5	101.8
I	DIST FROM SOURCE: 2377 METERS																			OVERALL SAMPLE DURATION: 31 SEC								
	73.8	81.4	78.8	82.5	83.3	88.3	91.3	88.6	83.8	82.4	88.0	90.9	90.4	84.2	84.0	82.6	79.1	76.7	73.8	71.5								91.5	98.8

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-305

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 305
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	97.1	102.5	105.6	108.1	113.9	116.7	120.2	122.5	123.5	120.0	113.4	110.9	113.0	112.7		121.7	129.4
	113.2	112.4	110.9	109.4	109.0	108.7	109.0	108.6	105.8	104.2	103.6	98.9	98.5				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	96.6	102.2	106.1	108.3	114.2	116.7	120.7	123.8	125.5	122.3	116.1	110.1	105.5	103.0		120.4	130.3
	102.0	101.7	104.8	105.5	107.4	108.7	109.5	109.7	105.9	104.5	104.2	99.8	99.2				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	97.5	102.7	105.0	107.8	113.5	116.7	119.6	120.7	119.9	114.6	105.8	111.6	115.6	115.5		122.7	128.2
	116.1	115.2	113.4	111.4	110.2	108.8	108.4	107.1	105.7	103.8	102.9	97.9	97.7				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	91.8	97.6	101.2	103.7	108.6	112.9	116.1	116.6	113.7	103.0	89.6	98.4	100.9	102.0		115.0	122.4
	104.0	106.6	107.5	107.2	104.8	101.2	100.5	100.8	96.9	95.7	92.9	90.7	87.0				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	86.1	93.5	97.5	100.0	104.0	107.9	108.9	106.4	98.4	84.8	88.0	97.1	101.3	103.6		113.6	117.0
	105.9	108.1	107.1	103.2	101.6	101.4	98.9	96.8	93.9	91.7	88.1	85.5	82.5				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	81.9	89.1	93.3	95.4	98.4	100.6	94.7	90.4	86.4	76.7	75.9	86.5	93.4	95.7		103.3	107.4
	95.8	93.9	97.0	95.6	92.6	89.9	87.3	84.1	81.2								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	79.4	87.4	91.5	92.8	94.0	91.2	90.9	91.2	89.8	81.8	84.3	92.4	95.6	95.6		103.9	106.4
	97.2	98.7	96.9	92.1	92.1	91.3	85.8	83.3	78.6	76.8	73.5						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 22 SEC							
	78.4	85.1	88.7	87.9	86.1	86.3	87.6	89.2	91.2	82.7	78.4	81.4	85.1	86.4		95.1	99.9
	90.1	90.4	87.9	81.2	82.9	81.3	74.1	71.7									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	77.6	82.8	83.5	83.2	84.0	80.2	80.2	79.2	79.3	74.5	78.5	86.2	87.2	85.0		89.9	95.2
	85.0	81.9	77.3	78.0	76.9	71.3	68.3	62.0									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	74.4	77.3	84.0	84.3	78.4	77.2	86.3	85.4	87.2	80.3	80.5	86.4	84.9	86.9		89.1	95.8
	80.9	79.3	77.4	77.2	74.2	69.6	64.5										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 24 SEC							
	70.7	84.6	87.8	79.9	87.0	89.7	88.4	88.5	85.0	81.7	85.7	90.2	91.8	89.9		93.8	99.8
	87.4	85.2	81.8	81.4	77.8	75.3	70.9										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	73.4	82.3	80.3	80.1	83.9	86.4	89.9	87.3	84.8	82.1	86.2	89.2	90.5	85.7		91.7	98.1
	84.3	83.4	79.7	78.7	75.6	73.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-306

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 306
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	96.2	101.9	105.4	107.8	114.1	116.6	119.7	122.3	123.5	119.7	113.3	110.9	112.4	112.3		121.4	129.2
	112.6	112.3	111.5	109.9	108.5	107.5	108.1	107.7	105.5	103.4	103.2	98.4	98.2				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	95.5	101.5	105.9	108.0	114.3	116.5	120.2	123.5	125.4	121.9	115.8	110.5	104.8	101.7		119.3	130.0
	100.3	99.5	102.3	103.4	105.5	106.7	107.4	108.1	104.9	102.6	103.2	98.4	98.1				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	96.8	102.3	105.0	107.7	113.9	116.8	119.3	120.8	120.2	114.8	106.8	111.3	115.0	115.2		122.8	128.2
	115.5	115.2	114.3	112.4	110.2	108.2	108.7	107.3	106.0	104.1	103.2	98.3	98.3				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	91.5	97.5	101.3	103.4	108.6	112.4	115.5	116.4	113.5	102.5	89.7	99.3	103.0	104.7		116.1	122.4
	106.2	108.3	109.0	108.0	105.3	102.0	102.1	101.6	98.3	97.4	94.7	92.8	89.1				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	85.7	93.4	97.9	100.2	104.6	107.9	108.6	106.7	98.7	84.7	88.4	98.3	102.9	105.8		114.3	117.4
	107.2	108.7	107.1	103.7	102.7	102.2	99.3	97.6	93.6	90.7	87.3	84.4	81.3				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	81.6	88.5	93.2	94.8	98.1	100.2	94.6	91.3	85.5	78.4	80.5	90.0	95.0	95.7		103.9	107.5
	93.5	95.7	97.7	96.4	93.5	90.2	88.1	86.1	82.4								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	79.9	87.9	92.4	93.5	95.2	92.7	89.5	87.2	80.2	75.4	80.5	88.8	91.7	92.9		100.1	104.1
	94.8	93.9	93.7	90.6	86.4	83.1	79.1	74.9	68.3								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	78.3	85.4	89.5	88.6	86.4	84.9	89.3	92.2	92.5	85.8	84.6	90.7	91.4	92.1		97.4	102.1
	92.8	89.9	87.9	84.0	86.5	80.4	79.1	74.2	69.5								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	77.6	83.5	85.1	83.1	83.8	81.5	80.5	85.1	84.9	79.2	80.4	85.5	89.6	86.3		92.1	96.9
	86.4	84.5	80.8	82.5	78.3	74.6	69.7	63.8									
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	75.1	76.4	84.0	85.9	81.6	78.5	84.6	83.2	85.6	76.8	81.0	86.0	84.8	86.0		89.4	95.5
	82.4	81.2	80.3	76.8	75.3	70.7	66.0	59.8									
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	70.4	84.2	88.9	81.7	89.0	91.1	91.5	90.3	84.7	84.2	88.8	90.8	91.5	89.3		93.4	100.6
	86.2	85.2	81.6	79.9	76.2	72.2	67.0	60.8									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	72.9	82.2	81.8	80.9	83.9	84.8	88.2	85.9	83.2	81.4	86.1	89.0	89.3	86.0		90.9	97.4
	83.7	82.5	78.2	77.0	74.2	71.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-307

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 307
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	95.8	102.1	105.5	108.6	113.9	116.8	120.1	122.7	124.1	120.1	113.8	111.7	113.2	113.0	121.8	129.6
	113.3	112.6	111.7	110.4	108.8	107.8	108.5	108.4	106.0	104.2	103.6	99.0	99.0			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	95.2	101.7	106.0	108.8	114.2	116.8	120.7	124.0	126.0	122.4	116.4	111.1	105.5	102.5	120.2	130.6
	101.4	100.7	103.5	105.1	106.8	107.9	108.6	109.1	105.8	104.1	103.9	99.6	99.6			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	96.4	102.4	105.0	108.5	113.5	116.8	119.4	120.9	120.4	114.7	106.5	112.2	115.8	115.8	123.0	128.4
	116.2	115.5	114.4	112.7	110.1	107.6	108.5	107.6	106.2	104.2	103.3	98.4	98.3			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	90.7	97.3	101.1	104.0	108.4	112.8	116.0	116.6	113.3	101.4	89.9	99.6	103.4	105.6	116.9	122.8
	107.9	110.2	110.5	107.4	104.8	105.0	103.1	100.3	97.4	95.9	93.0	90.9	87.3			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	84.8	93.0	97.3	100.3	103.8	107.6	108.5	106.1	96.9	85.4	87.6	97.5	102.1	105.0	112.5	116.3
	105.9	105.9	104.2	102.3	102.6	100.5	96.6	95.7	91.5	89.2	85.2	82.9				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	80.9	88.7	92.9	95.3	97.7	99.7	94.0	90.2	83.4	76.5	84.7	94.3	98.7	97.6	106.1	108.8
	94.9	100.0	99.6	97.6	94.6	93.3	90.1	86.9	83.3							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	78.8	87.2	91.5	93.2	94.2	92.3	87.9	81.2	79.1	74.5	79.6	87.9	91.4	92.6	100.3	103.6
	91.0	95.0	95.2	91.8	85.3	81.1	76.6	70.4								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 24 SEC						
	77.6	85.3	88.8	88.8	86.2	82.7	87.6	90.2	90.3	83.3	83.3	91.5	91.4	92.6	99.0	102.4
	94.9	93.2	88.1	87.1	88.0	81.2	81.0	77.0	73.7							
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	76.9	83.7	85.0	82.2	82.5	80.0	84.7	86.9	80.8	78.1	80.5	86.1	90.7	87.0	91.9	97.1
	84.7	84.0	79.6	81.4	78.4	73.0	69.8	63.3								
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	75.3	76.0	82.2	86.0	82.5	77.5	86.2	83.7	85.8	80.3	83.8	90.2	90.1	87.6	92.8	97.9
	87.4	85.2	82.6	78.5	76.9	71.8	67.1									
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 17 SEC						
	68.9	83.9	89.5	83.1	89.8	92.7	92.0	91.6	86.5	85.6	89.9	92.2	93.2	88.6	94.3	101.7
	86.7	85.9	82.3	80.1	77.1	73.5	68.1									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	72.3	83.0	82.6	81.5	86.4	88.6	92.3	88.0	86.3	83.1	88.0	90.8	91.1	87.8	92.6	99.6
	84.1	84.1	80.6	79.2	76.4	74.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-308

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 308
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC		
	96.7 102.3 105.4 108.9 113.4 116.8 120.2 122.5 123.8 120.2 114.3 111.5 112.5 112.4 113.0 112.4 112.2 111.8 110.0 107.4 108.0 108.3 105.9 104.3 103.6 98.9 99.1	121.9	129.5
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC		
	96.0 101.9 105.9 109.1 113.6 116.7 120.7 123.7 125.7 122.5 116.8 111.4 105.2 101.5 99.9 98.6 101.6 102.9 104.8 105.9 107.2 108.0 104.2 102.9 102.3 98.0 98.1	119.4	130.4
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 32 SEC		
	97.4 102.6 104.9 108.7 113.2 116.9 119.7 120.9 120.4 115.3 107.6 111.5 115.0 115.2 115.9 115.3 115.0 114.5 112.2 108.5 108.6 108.5 107.2 105.3 104.5 99.6 99.9	123.5	128.5
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 32 SEC		
	91.7 97.5 100.8 104.1 107.7 112.6 116.0 116.5 113.3 102.5 88.7 97.5 101.5 103.7 105.9 108.2 109.4 108.0 104.2 102.9 102.8 99.6 96.8 96.0 93.2 91.3 88.7	116.0	122.4
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 31 SEC		
	85.8 93.2 97.1 100.4 103.1 107.3 108.6 107.0 99.1 83.5 86.3 95.6 99.6 102.4 104.6 106.5 105.8 101.4 98.1 98.4 96.3 94.2 92.8 89.2 85.5 83.8	111.9	116.0
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 31 SEC		
	82.0 88.6 92.8 95.9 97.4 99.9 93.3 90.9 84.8 76.9 82.7 92.6 98.3 99.8 98.7 97.5 100.0 98.0 94.8 92.7 90.5 87.1 83.5 82.3	106.3	109.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 32 SEC		
	79.5 87.3 91.4 93.7 93.7 92.4 88.8 83.1 82.2 76.7 80.2 87.7 87.7 93.2 95.1 94.4 93.7 90.5 88.7 85.6 81.7 77.0 73.3 70.8	100.5	103.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 31 SEC		
	78.7 85.3 88.5 89.2 86.0 81.6 89.3 90.5 89.9 83.8 82.7 89.6 89.4 90.1 91.0 92.1 89.8 86.9 87.7 82.7 81.4 77.1 73.2	97.8	101.4
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC		
	77.8 83.2 84.4 82.7 82.6 80.5 81.6 83.0 82.1 76.8 76.8 83.8 86.5 83.9 82.8 81.3 77.2 80.2 76.6 71.7 68.2 61.5	89.2	94.9
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 31 SEC		
	76.0 76.9 82.9 86.1 80.7 83.9 90.3 85.7 84.5 78.1 81.6 87.1 87.9 87.2 82.3 80.0 78.7 76.6 73.9 68.8	90.0	97.0
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 31 SEC		
	69.4 84.3 88.9 83.1 88.0 90.9 91.0 89.8 82.2 82.2 87.7 92.3 93.0 88.1 85.8 85.9 83.2 80.8 78.3 74.8 71.7	94.0	100.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC		
	72.7 82.9 82.5 80.9 84.7 87.7 91.3 88.1 85.1 83.9 89.1 91.9 91.5 88.1 83.6 82.9 79.2 76.3 73.7 70.8	92.5	99.5

TABLE: SUMMARY OF (E) NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-309

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 309
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	99.1	105.2	109.5	112.1	115.0	119.8	122.1	124.2	125.9	125.6	122.8	119.5	122.2	121.3	127.3	133.5
	119.2	117.4	114.5	113.2	113.7	113.2	113.6	113.8	112.3	110.3	109.7	104.9	105.0			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	98.8	105.0	109.5	112.3	115.2	119.7	122.7	125.4	127.6	127.0	123.9	119.0	120.1	116.8	126.0	133.8
	109.6	108.4	109.8	111.1	112.5	113.6	114.0	114.6	112.8	110.5	109.9	104.9	104.8			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	99.4	105.3	109.5	111.8	114.7	119.9	121.3	122.5	123.3	123.3	121.4	119.9	123.7	123.5	128.3	133.1
	122.0	120.1	116.7	114.7	114.6	112.7	113.2	112.7	111.7	110.1	109.4	105.0	105.3			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	91.5	97.0	101.7	103.3	106.7	111.3	112.8	113.2	111.6	104.4	92.4	96.2	102.5	104.1	115.4	120.6
	105.8	107.3	108.6	107.8	103.3	99.9	102.2	99.1	99.8	98.1	94.7	93.4	90.8			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	89.5	94.0	99.5	100.5	103.5	107.2	106.9	105.5	99.3	85.4	81.0	87.0	93.7	96.6	109.9	114.6
	100.2	103.5	105.1	101.1	95.2	90.7	92.4	91.1	88.3	85.6	82.4	79.6				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	82.5	88.1	94.2	95.9	99.0	101.2	97.7	88.2	82.1	70.5	68.1	75.0	83.2	87.0	100.4	106.7
	92.4	95.8	95.4	89.6	85.5	85.3	85.5	79.9	80.6	78.8	74.0					
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	77.3	83.5	90.2	92.4	94.5	95.2	89.9	80.5			64.1	69.8	76.2	81.3	93.6	101.1
	87.3	90.3	87.4	82.4	77.9	76.2	73.6	70.7								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	73.1	78.4	85.0	85.9	85.7	83.9	79.3	68.1				65.6	71.9	76.4	82.1	92.4
	76.5	77.7	74.2	70.9	64.8	66.8	61.2	60.1								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	67.8	73.7	78.7	79.8	78.5	76.7	73.8	69.6					65.6	68.6	75.3	85.9
	68.5	69.9	69.2	67.2	59.9	54.8										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	64.1	69.3	75.4	75.1	75.7	75.5	67.7					62.8	70.4	73.5	78.1	84.0
	73.2	73.9	70.6	65.3	56.7	54.5										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	63.8	69.0	74.0	73.5	75.3	76.8	69.8					68.0	74.6	75.9	79.2	84.6
	74.2	73.8	69.6	66.7	58.1	57.2	55.4									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-310

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 310
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	99.5	104.9	109.0	112.1	115.2	119.1	121.9	124.1	125.9	125.3	123.0	119.6	122.4	121.2	127.4	133.4
	119.1	117.2	114.2	113.3	114.0	113.5	113.9	114.2	112.9	110.8	110.6	105.7	105.7			
S	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	99.2	104.8	109.0	112.4	115.5	119.1	122.6	125.4	127.5	126.9	124.2	119.4	120.4	117.0	126.6	133.9
	110.0	109.1	110.6	111.8	113.5	114.5	114.8	115.5	114.0	111.8	111.8	106.8	106.6			
T	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	99.8	105.0	109.0	111.8	114.9	119.2	121.0	122.3	123.2	123.0	121.4	119.9	123.7	123.2	128.1	132.9
	121.8	119.9	116.1	114.3	114.5	112.4	112.8	112.4	111.3	109.6	108.9	104.3	104.6			
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	90.1	93.6	98.8	100.4	103.5	106.4	106.4	105.4	99.3	84.9	81.2	87.0	93.8	96.1	109.9	114.4
	99.4	102.9	105.3	103.2	93.8	96.1	91.9	91.0	87.4	86.4	82.6					
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 32 SEC		
	91.8	96.6	101.0	103.4	106.8	110.7	112.6	113.1	111.5	104.1	92.3	96.3	102.7	104.6	116.3	120.8
	106.9	108.8	110.2	109.1	102.6	103.0	101.9	98.0	98.8	96.9	93.9	91.9	89.6			
C	DIST FROM SOURCE: 431 METERS													OVERALL SAMPLE DURATION: 32 SEC		
	83.1	87.7	93.6	95.8	98.8	100.2	96.8	87.6	82.1	70.9	69.6	75.4	83.1	86.6	101.4	106.5
	91.5	95.2	96.5	93.3	88.4	85.8	86.8	81.5	83.6	80.6	75.7					
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 29 SEC		
	77.8	83.1	89.6	92.4	94.4	94.4	89.3	80.3	68.8	62.1	64.0	71.9	78.2	82.8	95.5	101.3
	88.1	91.7	90.7	83.3	81.0	78.8	76.5	72.6	70.3							
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 32 SEC		
	73.6	78.2	84.8	86.2	86.0	82.8	77.9	69.5	62.8	56.7	57.3	66.2	73.5	77.8	84.9	92.7
	78.6	80.4	78.3	72.8	70.8	70.2	67.6	64.4	61.3							
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	68.4	73.4	78.6	80.1	79.2	76.2	72.6	67.9	55.5	50.4	50.5	55.9	64.4	68.5	75.9	86.0
	68.8	70.4	68.5	67.8	65.7	55.0										
G	DIST FROM SOURCE: 2087 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	65.2	68.5	75.1	76.3	76.4	75.0	66.9	60.5	53.6	49.6	53.9	62.5	68.5	65.5	75.1	83.2
	67.3	71.2	68.9	64.4	59.6	55.1										
I	DIST FROM SOURCE: 2977 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	65.1	67.5	72.6	74.4	76.0	76.1	69.5	58.7	54.5	55.0	67.7	74.7	76.0		79.7	84.7
	74.3	75.3	70.7	65.4	59.8	56.2	52.3									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-311

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 311
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	98.7	105.3	109.1	112.0	114.7	119.4	122.0	124.2	126.0	125.5	122.8	119.7	122.6	121.0	127.4	133.5
	119.0	116.7	113.4	112.9	114.0	113.4	113.7	114.2	113.1	111.2	111.0	107.0	106.8			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	98.3	105.3	109.1	112.2	115.0	119.3	122.7	125.4	127.7	127.1	124.0	119.4	120.7	117.0	126.9	134.0
	110.4	109.3	110.7	112.2	113.7	114.7	115.0	115.8	114.7	112.7	112.7	108.8	108.4			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	99.1	105.4	109.2	111.7	114.4	119.4	121.1	122.5	123.4	123.2	121.2	119.9	123.9	123.0	127.8	132.9
	121.7	119.3	115.0	113.5	114.2	111.6	111.9	111.6	110.6	109.0	108.2	103.9	104.1			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	91.1	96.9	101.3	103.2	106.3	110.9	112.6	113.4	111.8	104.6	92.1	96.1	102.6	104.2	116.4	120.9
	107.0	109.0	110.3	108.8	102.3	104.5	102.0	97.5	97.7	96.5	93.0	91.2	89.1			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	88.6	93.9	98.9	100.1	102.8	106.6	106.6	105.8	100.1	85.1	80.9	86.1	92.6	94.5	108.7	114.0
	98.2	100.9	103.0	102.0	96.5	94.9	93.3	90.4	91.0	88.4	84.2	81.5				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	82.0	88.0	93.7	95.6	98.3	100.4	96.8	87.1	82.3	71.4	71.4	77.8	84.7	87.3	101.9	106.6
	92.1	95.6	97.2	94.3	89.3	84.0	85.8	81.8	82.5	79.0	73.6					
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	76.5	83.2	89.4	92.1	93.9	94.6	89.7	80.5	68.6	60.8	63.5	73.1	80.3	84.9	96.0	101.5
	90.4	93.2	89.8	81.1	79.2	77.7	73.4	74.1	71.0							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	72.1	78.5	84.6	85.8	85.4	83.7	79.5	72.5	64.5	59.2	56.3	65.5	72.6	76.0	83.5	92.3
	76.4	77.0	79.2	71.5	71.7	64.0	61.7	59.2								
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	66.8	73.3	78.6	79.8	78.4	76.6	73.5	70.2	58.3	49.6	49.4	57.0	62.9	63.3	75.4	85.8
	66.2	69.1	71.2	66.8	64.3	53.4										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	63.2	68.4	74.9	76.4	76.0	75.7	68.9	57.8		48.2	53.7	62.1	66.5	66.2	75.0	83.2
	68.2	71.1	70.2	61.6	54.6	52.2										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	62.7	67.5	72.5	74.4	75.6	76.5	70.6	60.2	55.3	49.3	51.0	63.5	70.8	72.9	76.5	83.3
	68.8	71.5	70.5	60.3	58.5	48.7										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 312 DATE 01 OCT 80

MICROPHONE: ARRAY 03

IDENTIFICATION: OMEGA 12.2 TEST AA-103-312

DATE 05 FEB 87

PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS												OVERALL SAMPLE DURATION: 32 SEC				
	99.5	105.3	108.6	112.0	114.8	119.5	122.3	124.2	126.0	125.4	122.9	119.6	122.1	120.8		127.2	133.4
	118.7	116.6	113.4	112.8	114.0	113.2	113.4	114.0	113.0	111.2	111.0	107.1	106.6				
S	DIST FROM SOURCE: 66 METERS												OVERALL SAMPLE DURATION: 32 SEC				
	99.1	105.1	108.6	112.2	115.1	119.4	123.0	125.5	127.6	126.9	124.0	119.4	120.4	117.0		126.7	134.0
	110.3	109.5	110.9	112.0	113.5	114.2	114.5	115.4	114.5	112.5	112.6	108.9	108.2				
T	DIST FROM SOURCE: 66 METERS												OVERALL SAMPLE DURATION: 32 SEC				
	99.8	105.4	108.6	111.7	114.5	119.5	121.4	122.5	123.3	123.0	121.2	119.7	123.3	122.8		127.6	132.8
	121.4	119.2	114.9	113.5	114.4	111.8	111.9	111.8	110.7	109.2	108.5	103.9	104.1				
A	DIST FROM SOURCE: 134 METERS												OVERALL SAMPLE DURATION: 32 SEC				
	91.6	96.9	100.7	103.3	106.4	111.1	113.1	113.5	111.9	104.6	92.4	95.7	102.1	104.1		116.3	121.0
	107.0	109.2	110.3	108.3	103.0	105.3	100.8	97.0	96.2	95.2	91.5	89.7					
B	DIST FROM SOURCE: 238 METERS												OVERALL SAMPLE DURATION: 33 SEC				
	90.0	93.9	98.3	100.1	102.8	106.7	106.9	105.9	100.2	85.3	81.7	87.2	94.0	96.1		109.5	114.4
	99.2	102.2	104.0	101.3	98.5	95.9	94.1	92.4	91.4	89.4	85.8	83.6					
C	DIST FROM SOURCE: 431 METERS												OVERALL SAMPLE DURATION: 32 SEC				
	82.8	87.9	93.0	95.5	98.1	100.3	96.9	87.5	82.2	70.9	69.8	76.0	83.6	87.5		102.6	106.9
	93.1	97.7	98.6	93.8	87.3	83.0	84.9	79.3	78.9	76.8	70.9						
D	DIST FROM SOURCE: 753 METERS												OVERALL SAMPLE DURATION: 31 SEC				
	77.1	83.0	88.7	91.7	93.4	94.5	89.8	80.6	69.0	61.2	61.9	69.5	75.8	81.6		94.5	100.7
	87.7	91.3	89.2	81.5	76.7	75.8	73.6	71.2	66.4	65.4							
E	DIST FROM SOURCE: 1255 METERS												OVERALL SAMPLE DURATION: 31 SEC				
	73.2	78.3	84.0	85.9	86.0	84.7	80.0	72.1	65.3	56.7	55.7	63.8	70.8	75.1		83.2	92.6
	79.6	78.9	71.0	73.2	70.4	66.7	64.5										
F	DIST FROM SOURCE: 1757 METERS												OVERALL SAMPLE DURATION: 32 SEC				
	67.3	73.3	77.8	79.8	78.2	77.8	74.5	70.4	60.1	52.0		52.3	58.6	63.3		73.5	85.7
	65.5	65.4	65.4	66.1	66.2	60.2											
G	DIST FROM SOURCE: 2087 METERS												OVERALL SAMPLE DURATION: 31 SEC				
	63.8	68.0	73.5	75.9	76.0	75.8	69.3					54.6	62.3	65.5		74.2	82.8
	69.8	69.4	67.8	64.7	55.0	54.6											
I	DIST FROM SOURCE: 2377 METERS												OVERALL SAMPLE DURATION: 31 SEC				
	63.7	67.6	71.8	74.3	76.2	77.0	71.4	60.7				55.8	64.4	70.7		74.3	83.0
	72.0	65.4	67.2	57.3	54.2	49.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-109-313

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 313
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 33 SEC		
	99.1 105.6 109.4 112.0 114.8 119.6 121.9 124.6 126.0 125.4 122.7 119.7 122.3 120.8 118.8 116.6 113.4 112.9 114.0 113.3 113.5 114.0 113.0 111.1 111.1 107.3 106.8	127.2	133.5
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 33 SEC		
	98.8 105.4 109.4 112.2 115.1 119.5 122.6 125.8 127.6 126.9 123.9 119.4 120.5 117.0 110.3 109.4 111.0 112.2 113.5 114.4 114.6 115.5 114.6 112.5 112.6 109.2 108.4	126.7	134.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 33 SEC		
	99.4 105.8 109.5 111.7 114.4 119.6 121.0 122.9 123.4 123.0 121.1 120.0 123.5 122.9 121.4 119.2 115.0 113.5 114.4 111.8 112.0 111.9 110.7 109.3 108.6 103.9 104.3	127.7	132.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 32 SEC		
	91.4 97.3 101.6 103.2 106.5 111.1 112.7 113.7 111.8 104.7 92.4 96.7 103.1 105.2 108.0 110.1 110.8 108.6 102.9 105.5 101.7 97.7 97.6 96.3 92.8 91.0 88.8	116.9	121.2
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 32 SEC		
	89.6 94.3 99.2 100.0 102.8 106.6 106.4 106.2 100.1 85.3 80.7 87.2 94.2 96.9 100.5 103.5 105.0 101.5 97.4 93.7 95.1 91.6 90.8 89.2 85.1 82.3	109.9	114.6
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 33 SEC		
	82.4 88.2 93.8 95.4 98.2 100.3 96.8 88.0 82.0 71.0 68.6 74.8 81.9 86.5 93.3 97.6 98.0 92.8 87.0 82.2 85.8 79.9 79.3 76.5 71.1	102.3	106.8
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 33 SEC		
	76.3 83.1 89.3 91.2 93.1 94.2 89.1 80.2 68.1 60.0 59.6 66.7 74.3 80.5 87.0 89.8 87.6 79.5 77.8 76.0 74.9 70.0 66.7 64.7	93.2	100.2
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 33 SEC		
	72.9 78.7 84.8 85.7 86.2 85.4 80.3 73.8 65.6 60.3 55.8 61.3 66.8 70.6 77.6 81.0 72.5 72.1 68.5 64.7 62.0 59.7	83.2	92.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 33 SEC		
	67.6 73.6 78.2 79.5 78.5 77.9 74.3 71.5 61.5 53.5 49.2 55.6 58.8 64.9 68.7 66.6 63.7 64.2 61.3 54.3	72.8	85.8
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 33 SEC		
	63.6 69.0 74.5 75.5 76.0 76.2 70.2 59.2 57.0 65.9 67.7 68.8 69.0 64.0 58.8 55.1 51.8	73.0	82.9
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 33 SEC		
	63.4 68.7 72.4 73.6 75.9 76.9 70.9 62.0 56.7 66.2 71.2 73.2 67.5 65.9 58.6 55.3 51.6	75.0	83.0

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-314

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 314
DATE 01 OCT 80

MICROPHONE:
ARRAY D4

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	96.6	102.0	105.2	108.1	113.7	116.7	120.0	122.6	123.7	119.9	114.0	111.6	112.9	112.7	121.7	129.4
	112.6	112.0	111.8	111.1	109.9	107.9	108.1	107.4	104.9	103.7	103.6	98.7	98.7			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	95.8	101.7	105.6	108.4	114.0	116.7	120.6	123.8	125.7	122.3	116.6	111.0	105.3	101.7	119.8	130.3
	99.9	99.2	102.4	104.8	106.9	107.8	108.3	107.7	103.3	103.2	103.8	99.0	98.9			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	97.3	102.2	104.6	107.8	113.4	116.8	119.4	120.8	120.1	114.7	107.1	112.1	115.5	115.5	123.0	128.3
	115.5	114.9	114.6	113.6	111.7	108.1	107.9	107.1	106.0	104.2	103.3	98.3	98.5			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	91.5	97.2	100.7	103.3	108.0	112.4	115.6	116.3	113.6	102.8	89.7	98.5	101.9	103.8	115.8	122.2
	105.1	107.7	109.3	107.7	101.9	104.8	102.8	99.4	97.2	96.2	92.4	90.4	87.3			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	84.8	92.1	96.3	99.1	102.9	106.8	107.8	105.3	96.6	82.2	85.1	95.1	99.4	102.3	112.1	115.6
	104.0	106.3	106.5	102.4	99.6	98.5	97.8	95.2								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	80.0	86.6	90.7	93.1	96.4	99.1	94.4	88.0	79.4	69.7	75.0	84.3	90.3	94.5	101.8	105.9
	96.4	95.5	95.5	93.3	87.2	86.4	83.7	80.1								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	77.4	84.2	88.0	89.8	92.4	93.5	88.9	79.6	74.8	67.6	67.3	74.3	79.6	81.7	93.1	99.5
	82.9	82.9	88.1	86.4	84.4	75.9	75.0	69.4	64.4	64.9						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	79.2	85.6	89.4	90.7	92.1	91.7	87.2	86.8	88.0	81.2	80.6	86.4	85.6	84.7	93.2	100.1
	85.4	86.4	86.5	83.5	81.7	77.4	76.4	71.8								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	76.4	80.9	80.6	78.6	85.3	86.0	86.1	87.9	85.7	79.6	82.8	87.4	87.9	88.5	92.2	97.6
	87.6	82.4	82.8	79.4	77.1	74.0	70.8	66.1	59.8							
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	67.7	77.6	83.8	79.7	84.1	83.6	85.2	85.1	78.2	72.0	75.5	82.4	85.1	85.4	88.4	94.7
	81.1	82.1	78.8	75.5	70.7	69.0	64.5									
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	75.8	83.2	81.1	82.9	82.6	85.9	83.0	78.6	76.7	73.8	78.9	86.3	88.4	86.1	89.8	95.6
	83.5	82.4	78.9	74.5	71.6	68.2	62.5									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	75.1	78.2	79.7	82.6	84.1	85.3	86.0	83.7	77.8	75.6	79.2	83.2	84.6	82.1	87.0	94.4
	79.2	80.2	76.8	74.7	72.1	69.4										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-315

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 315
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	97.2	102.2	106.1	108.6	114.1	117.0	120.2	122.7	124.1	120.3	114.5	112.2	114.0	114.1	114.3	113.3	112.4	111.4	110.3	109.0	109.6	109.2	106.6	105.0	104.3			122.6	129.8
S	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	96.5	101.8	106.6	108.8	114.4	116.9	120.7	123.9	126.0	122.6	117.0	111.5	106.3	103.1	101.5	100.2	103.1	105.3	107.1	108.1	109.3	109.6	105.1	104.1	103.5			120.4	130.6
T	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	97.7	102.5	105.5	108.3	113.8	117.1	119.6	120.9	120.5	115.0	107.4	112.9	116.6	116.9	117.2	116.2	115.1	113.8	112.2	109.8	109.9	108.7	107.7	105.7	104.9	100.1	100.4	124.1	128.9
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	91.9	97.2	101.6	103.6	108.3	112.6	115.5	116.2	113.9	103.3	89.6	98.6	102.2	104.3	105.5	107.4	108.5	109.1	107.8	104.4	102.3	101.9	99.0	98.9	95.8	94.1	91.0	116.6	122.5
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	85.6	92.4	97.1	99.2	103.3	107.0	107.8	105.6	97.8	81.8	85.2	95.3	99.4	102.4	104.3	106.6	106.7	103.1	100.8	100.1	97.0	96.2	92.1	90.1	86.6	83.9		112.6	116.0
C	DIST FROM SOURCE: 423 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	81.5	87.7	92.6	94.0	97.1	99.6	94.9	88.8	80.3	68.8	75.7	85.9	91.7	95.4	97.6	97.8	97.2	95.5	87.8	90.1	85.7	81.0						103.6	107.1
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	80.5	86.3	91.2	92.2	94.5	94.8	88.3	80.4	78.2	70.2	70.0	76.3	81.4	84.8	86.9	86.5	90.1	87.9	79.6	78.6	76.4	68.9	68.9					94.7	101.3
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	80.1	86.3	91.1	91.3	92.4	89.9	88.1	91.6	91.6	84.6	81.8	86.1	88.3	89.8	89.8	89.6	88.0	83.3	83.8	81.7	78.4	76.4	71.9					95.9	101.8
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 26 SEC	
	76.8	80.0	79.8	82.5	85.1	81.2	88.7	90.6	85.8	80.7	85.8	89.2	92.5	91.4	88.6	85.0	84.2	80.3	79.2	76.1	72.1	67.6						94.5	99.6
G	DIST FROM SOURCE: 2079 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	69.9	80.3	86.1	82.0	87.1	82.2	86.0	81.6	81.1	75.0	75.8	80.6	82.8	81.7	81.5	79.9	79.3	74.3	70.8	67.2	62.0							87.0	94.7
H	DIST FROM SOURCE: 2273 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	77.3	83.7	82.4	85.1	85.5	87.1	84.4	81.8	79.8	76.4	80.1	84.7	86.9	84.2	83.5	81.9	79.3	74.8	71.6	68.1								89.1	95.9
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	75.5	78.3	81.6	83.2	86.7	85.5	84.5	84.2	80.0	75.7	80.5	83.9	85.6	82.7	81.6	80.9	77.7	74.4	71.4	68.9								87.9	95.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-316

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 316
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL	OASPL
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	(DBA)	(DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	96.8	101.5	104.7	108.3	113.5	116.7	119.8	122.3	123.7	120.3	114.2	110.7	110.9	110.8	121.3	129.2
	111.5	111.2	111.4	111.6	110.2	107.3	107.2	107.6	105.0	103.3	102.6					
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	96.1	101.4	105.2	108.5	113.8	116.5	120.3	123.5	125.5	122.5	116.7	110.9	104.2	99.7	119.2	130.2
	97.6	96.5	99.7	101.8	104.1	105.8	107.2	107.9	103.9	102.5	102.0	97.8	97.6			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	97.3	101.6	104.1	108.0	113.2	116.8	119.3	120.8	120.4	115.7	108.1	110.5	113.4	113.6	122.7	128.1
	114.4	114.1	114.3	114.3	112.6	108.5	107.2	107.2	105.9	104.0	103.1					
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	91.9	96.6	100.3	103.9	108.2	112.7	115.7	116.5	114.1	103.9	89.4	97.4	100.4	101.1	114.1	122.1
	102.9	105.1	106.8	107.0	103.8	99.4	99.7	98.6	95.2	94.2	91.1	89.1	85.6			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	85.6	91.9	96.1	99.7	103.4	107.3	108.4	106.2	98.0	82.4	85.6	95.9	99.8	102.1	113.3	116.4
	104.4	106.9	107.7	104.0	100.0	101.3	98.8	97.2	94.2	92.6	88.8	86.4	83.8			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	80.6	86.5	90.6	93.7	96.6	99.4	94.7	88.3	80.4	69.6	74.5	83.6	90.1	94.2	102.3	106.3
	97.2	97.5	95.3	91.3	87.3	88.6	85.8	81.3								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	80.0	85.4	89.3	91.7	93.7	94.7	88.2	78.1	75.9	69.6	70.5	76.4	80.4	83.1	93.2	100.5
	85.6	84.3	89.0	85.8	79.1	77.2	74.2	69.1	67.2							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	79.8	86.0	90.4	92.3	92.7	90.4	90.4	93.1	92.1	85.5	83.9	91.2	95.3	96.6	100.7	104.7
	95.3	93.5	91.8	86.3	88.9	84.5	83.1	79.8	75.7	74.1						
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	76.4	79.1	78.3	83.1	84.4	79.9	89.5	91.6	86.3	79.3	84.5	90.5	90.5	89.2	94.1	99.4
	88.1	86.9	84.6	80.0	79.3	75.4	72.4	68.2								
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	70.3	80.6	85.0	81.8	87.4	82.9	90.3	86.6	83.5	78.5	80.9	86.3	87.2	85.2	89.3	97.0
	80.2	81.2	79.7	75.9	73.2	70.2	67.1									
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	77.4	82.8	81.0	87.0	85.9	89.3	87.6	83.8	81.7	79.2	83.5	88.6	91.3	89.2	92.9	98.6
	86.1	84.9	82.8	77.6	75.9	73.2	69.4									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	75.3	77.0	81.8	83.3	86.7	86.3	87.1	85.8	82.1	79.5	82.5	85.6	87.3	87.5	90.4	96.8
	84.7	82.0	79.8	76.6	74.2	71.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-317

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 317
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	96.7	101.7	105.1	108.5	113.7	116.6	120.0	122.1	123.5	120.1	114.4	111.4	111.9	111.8		121.8	129.3
	112.4	112.2	112.2	112.1	110.8	107.5	107.1	107.6	106.1	104.1	104.1	99.4	99.1				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	95.9	101.5	105.5	108.7	113.9	116.4	120.4	123.2	125.2	122.2	116.8	111.6	105.5	101.0		118.8	130.0
	99.0	97.3	99.9	101.0	102.6	103.9	105.2	106.7	104.7	102.1	103.5	99.1	98.2				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	97.3	101.9	104.6	108.4	113.4	116.7	119.5	120.7	120.4	115.7	108.3	111.1	114.3	114.6		123.6	128.4
	115.3	115.1	115.1	114.9	113.5	109.4	108.4	108.3	107.2	105.5	104.6	99.7	99.9				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	91.7	96.8	100.9	103.8	108.2	112.5	115.6	116.3	114.0	104.0	89.3	96.3	99.8	102.2		115.2	122.2
	104.4	106.8	108.0	107.2	104.5	102.2	101.8	99.6	97.8	97.1	94.6	93.0	90.2				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	85.5	92.1	96.4	99.6	103.1	107.0	108.1	106.2	98.5	82.1	82.6	92.6	97.5	100.4		112.2	115.8
	103.1	106.2	107.0	102.4	100.3	98.0	97.8	95.0	92.7	90.7	87.4	85.0	82.9				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 27 SEC							
	80.5	86.8	91.2	94.1	96.9	99.7	94.9	86.1	79.9	68.2	71.9	79.9	85.3	89.2		99.5	105.2
	93.3	95.9	93.7	84.5	85.3	85.2	80.8										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 26 SEC							
	80.1	85.9	90.2	92.5	94.3	94.2	86.5	78.6	76.7	68.2	70.0	75.9	80.6	85.3		95.2	101.2
	89.2	90.3	87.9	87.9	79.0	79.5	77.5	73.4	70.6								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	79.0	85.6	90.0	91.4	91.2	86.0	88.0	91.7	91.6	85.7	84.5	91.7	94.9	96.5		100.6	104.4
	96.9	93.8	88.2	86.1	88.3	83.2	82.6	79.1	74.7	72.6							
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	76.7	79.9	80.4	85.9	86.3	79.6	87.7	90.2	86.9	77.6	83.1	88.5	88.0	85.6		92.7	98.2
	86.4	86.0	84.6	80.4	80.1	76.0	72.5	65.8									
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	69.2	79.8	85.4	82.3	85.7	83.2	86.2	83.4	81.2	77.1	80.2	85.5	86.9	86.7		90.6	96.3
	86.1	82.1	81.5	77.8	73.2	69.0	64.6										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	76.5	83.6	81.7	85.5	85.0	88.3	88.7	87.9	84.5	80.9	84.8	89.7	91.5	91.4		94.0	99.5
	88.3	85.8	82.9	77.5	75.4	72.8	65.4										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 31 SEC							
	75.3	78.6	79.3	84.0	84.9	85.6	89.3	87.1	85.6	82.3	86.7	89.6	89.7	86.7		91.1	98.0
	82.6	80.9	80.2	76.4	74.4	72.5	70.4										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-318

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 318
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	96.5	101.8	105.6	108.6	113.5	116.8	120.1	122.4	123.8	120.4	114.5	111.4	112.1	111.9		121.9	129.5
	112.5	112.1	112.2	112.1	110.6	107.5	107.2	107.8	106.0	103.9	103.7	98.8	98.9				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	95.9	101.6	106.1	108.8	113.8	116.7	120.5	123.6	125.6	122.6	117.0	111.7	105.7	101.4		119.2	130.3
	99.0	97.5	100.3	101.7	103.5	104.8	106.2	107.7	104.9	102.4	103.3	98.2	98.2				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	97.1	101.9	105.1	108.4	113.2	116.9	119.6	121.0	120.5	115.9	108.4	111.1	114.6	114.7		123.5	128.5
	115.4	115.1	115.0	114.9	113.2	109.1	108.0	107.9	106.8	105.0	104.0	99.2	99.4				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	91.7	97.1	101.2	104.1	107.9	112.6	115.7	116.5	114.2	104.4	90.1	96.1	98.7	100.2		115.2	122.3
	102.5	105.8	107.9	108.0	105.2	103.2	102.2	99.5	97.0	95.3	92.3	90.6	87.5				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	85.8	92.7	97.5	100.4	103.8	108.1	109.4	107.8	101.2	85.8	84.0	92.1	95.7	97.6		110.0	115.6
	99.1	100.7	103.0	103.3	100.5	96.5	96.4	94.7	91.0	90.0	86.3	84.0					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	81.3	87.8	92.3	94.6	97.2	100.3	95.7	87.8	82.1	71.9	75.7	84.7	90.0	93.2		103.5	107.1
	95.9	98.3	98.5	89.4	90.2	91.9	86.1	85.5	82.4								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 28 SEC		
	79.9	86.8	91.5	93.6	94.9	95.7	89.3	81.8	78.9	71.6	71.6	78.3	80.8	83.5		93.8	101.7
	86.3	88.7	87.8	84.6	80.3	77.1	78.3	72.4	70.4	67.8							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	79.6	86.1	90.7	91.9	91.3	84.9	90.1	93.7	93.0	86.6	84.8	91.5	94.7	96.6		100.8	104.8
	97.0	94.2	86.5	88.4	88.6	83.5	83.9	80.2	75.6	74.5							
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	77.8	82.1	82.5	85.2	86.9	83.5	83.2	88.0	88.6	78.6	82.3	85.8	89.8	88.4		93.2	98.3
	88.4	86.3	82.3	79.6	80.7	75.2	72.2	65.0									
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	71.9	79.5	86.2	84.1	85.9	85.9	85.3	86.3	77.7	75.0	75.0	80.4	83.4	83.0		88.3	95.5
	82.6	82.4	79.9	77.8	73.0	68.6	63.5										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	74.2	83.8	85.3	82.9	86.3	85.4	84.8	85.5	82.4	77.2	81.0	85.3	87.7	88.0		92.5	97.4
	87.2	87.0	84.0	77.5	75.5	73.2	66.8										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	74.2	80.1	76.9	83.6	82.5	84.3	87.0	84.0	83.5	78.0	80.8	85.9	88.0	86.1		90.7	96.3
	85.3	83.8	80.5	76.6	74.8	72.0	68.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-319

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 319
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	98.9	105.2	109.0	112.1	114.7	119.5	122.3	124.6	126.4	125.7	122.2	120.3	123.0	120.8	127.3	133.7
	119.5	117.6	114.8	113.2	113.2	112.1	112.6	113.1	112.5	110.5	110.2	107.5	107.1			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	98.6	105.2	108.9	112.4	115.0	119.5	123.0	125.9	128.0	127.2	123.2	119.7	121.0	116.7	125.8	134.0
	111.0	109.2	109.7	110.2	111.1	111.6	111.9	113.2	113.2	110.8	110.8	109.1	108.4			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.2	105.2	109.1	111.9	114.4	119.5	121.5	123.0	123.9	123.5	120.8	120.9	124.3	122.9	128.5	133.3
	122.2	120.3	117.1	115.0	114.6	112.6	113.1	112.9	111.7	110.2	109.5	105.0	105.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	91.3	96.8	100.8	103.2	106.1	111.0	113.1	113.9	112.9	107.0	96.8	97.5	102.9	104.0	117.5	121.6
	106.1	107.6	109.2	109.8	108.9	107.6	101.9	100.8	101.7	100.2	96.4	95.1	92.5			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	89.1	93.6	98.3	100.0	102.5	106.7	107.1	106.9	102.8	90.2	83.5	88.2	94.2	96.3	112.1	115.5
	99.0	101.6	104.1	105.1	104.4	102.7	97.4	93.9	93.1	92.9	89.2	86.6	84.6			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	81.8	87.5	92.9	94.9	97.3	100.2	97.5	90.1	85.2	76.1	70.4	76.0	82.0	84.9	103.2	106.8
	89.0	92.2	95.1	96.9	96.4	93.0	88.6	82.9	83.7	80.5	76.2					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	75.4	82.1	88.1	90.7	92.6	94.9	90.9	82.5	72.3	64.3	63.2	71.1	75.0	78.5	98.9	102.0
	83.6	89.0	93.1	94.5	90.0	82.7	79.2	73.3	72.8							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	69.8	73.9	80.7	83.4	84.6	84.6	79.3	69.4	62.4			62.9	69.5	76.1	91.7	94.2
	83.4	87.2	86.1	85.6	73.0	66.1	68.5	63.2								
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	66.8	68.6	72.2	75.5	76.1	76.8	73.2	69.9	59.0	50.7			59.9	63.1	76.5	83.6
	67.9	69.2	71.7	70.3	64.8	56.7										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 36 SEC						
		64.0	64.5	69.1	72.0	74.1			55.3						68.0	77.9
	58.5	60.6	63.0	61.8	55.6	52.1										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	63.2	65.1	64.1	64.7	72.3	75.0	70.1					53.4	58.9	63.1	70.8	79.0
	63.3	66.6	65.8	59.6	54.5	48.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-320

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 320
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 33 SEC				
	99.0	104.9	108.7	111.7	114.5	119.3	122.1	124.6	126.2	125.6	122.2	120.2	123.0	120.9	127.4	133.6
	119.7	118.1	115.2	113.5	113.0	112.0	112.5	113.0	112.5	110.5	110.1	107.3	107.2			
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 33 SEC				
	98.7	104.8	108.7	111.9	114.9	119.3	122.8	125.8	127.8	127.0	123.2	119.4	120.9	116.7	125.6	133.9
	110.9	109.1	109.5	110.0	110.8	111.2	111.6	113.0	113.1	110.6	110.6	108.8	108.4			
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 32 SEC				
	99.3	105.1	108.7	111.3	114.2	119.3	121.3	123.0	123.8	123.5	120.9	120.8	124.4	123.0	128.7	133.4
	122.4	120.8	117.6	115.4	114.5	112.7	113.2	113.1	111.8	110.4	109.7	105.1	105.5			
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 33 SEC				
	91.3	96.4	100.6	102.7	105.9	110.7	112.9	113.9	112.7	106.9	97.0	97.3	102.4	103.4	117.4	121.4
	105.5	107.1	108.8	109.5	108.8	108.3	102.8	100.1	101.6	100.7	96.8	95.4	92.9			
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 33 SEC				
	89.1	93.2	98.1	99.5	102.2	106.5	107.0	107.0	102.7	90.5	84.1	89.1	94.4	96.0	112.1	115.4
	98.5	100.9	103.4	104.6	104.4	103.6	99.1	95.3	93.4	92.8	90.9	87.6	84.7			
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 33 SEC				
	81.8	86.9	92.6	94.5	97.0	100.0	97.3	90.1	84.7	76.5	71.3	77.5	83.2	85.4	104.1	106.9
	89.4	92.4	95.1	97.3	97.4	95.1	90.4	83.9	84.5	82.7	77.9	76.4				
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 15 SEC				
	75.3	81.6	87.2	90.3	92.0	94.2	90.4	82.4	70.4			70.5	74.3	77.6	99.5	101.8
	82.9	88.5	92.6	94.9	91.9	85.7	81.9	74.3	72.0							
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 33 SEC				
	69.8	73.4	79.8	82.1	83.9	84.5	79.4	70.8	63.5			61.3	67.1	73.2	90.0	92.9
	80.6	85.2	84.3	84.5	74.4	65.1										
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 33 SEC				
	66.6	67.9	71.1	74.5	75.0	76.0	72.3	70.1	57.4			59.4	66.5	70.3	81.6	84.7
	72.7	76.5	75.0	75.1	70.5	61.9	59.0	56.6								
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 33 SEC				
		64.5	65.0	66.4	71.5	74.0	68.1	60.0							69.6	78.1
	59.4	61.5	64.0	63.5	60.4	56.3										
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 33 SEC				
	62.9	66.1	66.4	61.1	70.9	75.1	69.8	58.8			55.4	55.3	61.2	62.8	72.0	79.3
	62.7	68.4	66.1	61.9	58.1	52.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 18.2
TEST AA-103-321

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 321
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	99.0	105.0	108.8	112.0	115.2	119.5	122.0	124.6	126.3	125.3	122.2	120.0	123.0	120.7	127.3	133.6
	119.5	118.1	115.3	113.4	112.9	111.9	112.3	112.9	112.4	110.3	110.1	107.4	107.0			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	98.7	105.0	108.8	112.3	115.5	119.4	122.7	125.8	127.9	126.7	123.2	119.3	120.8	116.4	125.5	133.8
	110.6	108.9	109.4	110.0	110.6	111.1	111.5	112.9	113.0	110.5	110.6	109.0	108.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	99.2	105.0	108.7	111.7	114.8	119.6	121.2	123.0	123.9	123.2	120.9	120.7	124.4	122.9	128.6	133.3
	122.2	120.8	117.7	115.3	114.4	112.6	113.0	113.0	111.7	110.1	109.5	104.9	105.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	91.2	96.4	100.6	103.1	106.4	110.8	112.5	113.7	112.8	106.7	97.4	96.9	102.1	102.9	117.1	121.2
	104.8	106.4	107.9	109.0	108.6	108.6	104.1	100.0	100.9	100.8	96.8	95.1	93.0			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	89.0	93.3	98.1	100.0	102.9	106.6	106.8	106.9	102.7	90.4	83.8	88.7	93.9	95.5	111.9	115.3
	97.9	100.4	102.8	104.1	104.1	103.7	99.7	96.1	94.1	92.4	90.6	87.5	84.7			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	81.7	86.8	92.3	94.9	97.6	100.0	97.1	90.0	84.9	75.6	70.3	75.7	81.6	84.1	104.1	107.0
	87.8	91.2	94.5	97.3	98.0	95.6	89.7	83.5	84.0	81.5	76.2	74.7				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 25 SEC						
	74.3	81.2	87.7	90.4	92.7	94.3	90.4	83.0	70.9	61.5	61.7	69.2	73.4	77.0	99.7	102.1
	82.4	88.1	92.3	94.9	92.9	86.6	82.3	75.6	72.4							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	69.4	73.0	79.0	82.0	84.4	84.6	79.4	70.6	64.1	59.4		60.3	65.0	69.1	88.0	92.0
	76.4	82.3	82.7	82.9	75.2	67.0										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	66.9	68.2	70.1	72.1	74.4	75.0	71.4	69.6	58.2			56.4	62.7	68.1	79.8	83.3
	70.4	68.6	72.2	74.8	72.8	61.2										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	63.1	64.7	65.5	63.6	70.0	73.0	67.9	59.2	54.2				54.9	55.0	66.6	77.1
	58.0	61.5	61.1	58.7	54.5	52.0										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	63.0	66.7	68.5	60.9	69.7	74.6	69.9	58.5	52.8				60.4	63.5	73.5	79.5
	65.4	70.5	67.2	63.6	58.1	52.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-322

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 322
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	98.7	105.0	108.9	112.0	115.2	119.5	122.1	124.7	126.5	125.5	122.2	120.3	123.0	121.1	127.5	133.7
	119.7	118.2	115.4	113.7	113.1	112.1	112.4	113.1	112.5	110.5	110.1	107.4	107.1			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	98.3	104.9	108.9	112.3	115.4	119.5	122.8	125.9	128.1	126.9	123.2	119.6	120.8	116.8	125.6	134.0
	110.8	108.9	109.3	109.9	110.6	111.1	111.4	112.9	113.0	110.6	110.4	108.8	108.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	99.0	105.0	108.9	111.8	114.8	119.6	121.4	123.1	124.1	123.4	121.0	120.9	124.5	123.2	128.8	133.5
	122.4	120.9	117.8	115.7	114.6	112.8	113.2	113.2	112.0	110.5	109.8	105.3	105.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	90.8	96.4	100.7	103.1	106.5	110.8	112.7	113.8	113.1	107.1	97.7	97.0	102.1	103.1	117.2	121.4
	105.0	106.3	107.9	108.8	108.6	108.7	105.0	101.1	100.4	101.2	97.4	95.6	93.5			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	88.5	93.1	98.1	99.8	102.7	106.4	106.9	107.0	103.3	91.5	83.7	87.1	92.2	93.7	110.6	114.8
	96.3	98.4	100.5	101.7	102.0	102.3	100.1	97.5	95.5	93.3	90.1	87.9	85.4			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	81.3	86.9	92.3	94.6	97.6	99.7	97.4	90.5	85.0	76.7	70.4	74.8	79.5	80.6	102.1	106.1
	84.3	87.4	90.5	93.3	95.3	95.2	92.6	84.7	81.8	80.8	75.8					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	72.7	79.9	86.8	89.6	91.7	93.5	89.8	82.2	72.1	61.9	60.6	65.0	69.0	71.2	94.1	99.3
	74.8	78.4	83.2	87.4	89.0	85.9	77.5	72.1	64.8	64.5						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	69.2	72.4	78.5	81.6	84.1	84.4	79.2	70.7	66.1	57.7		59.0	62.4	64.2	81.9	90.1
	67.8	73.3	77.5	74.5	74.2	66.2										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	65.9	68.2	70.6	71.4	72.3	74.0	71.7	68.4	57.7	54.3	56.0	54.5	57.7	60.2	74.6	81.0
	63.2	65.0	67.3	67.4	69.1	61.6										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	62.9	65.4	67.3	64.7	67.8	71.0	67.4		55.2				53.6	54.3	60.6	75.5
	52.9	55.1	57.8													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	63.3	66.8	69.5	63.8	66.0	71.9	68.1	58.8	56.0			53.5	56.7	60.5	72.8	78.1
	62.6	64.2	69.6	65.1	61.2	54.7										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-103-323

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 323
DATE 01 OCT 80

MICROPHONE:
ARRAY 03

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	98.8	104.9	108.9	111.9	115.0	119.2	122.2	124.5	126.3	125.3	122.1	120.2	123.0	121.0		127.4	133.6
	119.8	118.1	115.5	113.7	113.0	111.9	112.3	112.8	112.4	110.4	109.9	107.3	107.0				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	98.5	104.8	108.9	112.2	115.3	119.2	122.9	125.7	127.8	126.7	123.1	119.5	120.8	116.7		125.4	133.8
	110.8	108.8	109.2	109.6	110.4	110.9	111.1	112.5	112.7	110.3	110.1	108.7	108.1				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	99.1	105.0	108.9	111.5	114.7	119.2	121.4	122.9	123.9	123.3	120.9	120.9	124.4	123.2		128.8	133.4
	122.5	120.8	118.0	115.8	114.6	112.8	113.3	113.1	112.1	110.5	109.7	105.2	105.6				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	90.7	96.2	100.6	103.0	106.2	110.5	112.8	113.7	112.8	106.8	97.4	97.2	102.4	103.4		117.3	121.3
	105.5	106.9	108.4	109.3	108.7	108.4	103.8	100.2	101.3	100.8	96.8	95.4	93.1				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	88.3	92.4	97.5	99.1	101.8	105.6	106.1	106.1	102.6	91.1	82.8	85.4	90.2	92.0		109.5	113.9
	94.6	97.0	99.1	100.6	101.1	101.6	99.1	96.2	94.2	92.1	88.5	86.1	83.9				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	81.2	86.5	92.2	94.1	96.8	99.2	97.6	91.4	82.6	75.1	67.3	71.8	76.2	77.0		96.2	104.6
	79.9	82.5	84.8	86.9	88.0	88.0	87.3	83.8	79.7	78.3	72.4						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	73.2	79.2	86.1	89.5	91.5	93.1	90.0	81.8	68.9	59.9	59.2	63.5	66.8	68.0		88.8	98.2
	71.1	74.2	78.2	81.6	83.0	81.1	74.2	66.2	64.4	63.9							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	69.8	73.6	77.7	78.9	81.3	82.9	78.9	70.6	62.5	55.8	56.1	58.0	60.4	60.5		77.6	88.1
	62.4	66.9	72.2	72.4	68.0	64.8	57.6										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	66.7	70.2	72.7	71.2	70.6	71.5	70.1	68.0	58.9	51.1		53.9	57.0	58.4		71.6	80.1
	61.7	64.1	62.7	63.8	65.5	59.0	55.7										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	62.7	67.6	70.7	67.6	63.7	68.0	65.9						53.9	54.4		64.3	76.1
	54.6	55.1	57.5	58.7	55.2	52.9											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	62.8	68.1	71.7	68.6		68.0	65.7						51.1	52.2		70.4	77.1
	56.9	62.8	65.5	65.5	58.5	53.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-324

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 324
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	97.5	102.9	106.1	109.6	114.1	117.2	120.4	122.9	124.2	121.0	114.8	111.7	112.5	112.3	121.9	129.9
	112.7	112.4	112.3	111.9	109.9	106.5	106.9	107.8	106.4	104.1	104.3	100.1	99.3			
S	DIST FROM SOURCE: 75 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	96.9	102.7	106.6	109.8	114.4	117.0	121.0	124.1	126.0	123.2	117.2	112.0	106.3	102.2	119.5	130.7
	99.8	98.0	100.4	101.2	102.9	104.0	105.3	107.2	105.8	102.9	104.3	100.7	99.0			
T	DIST FROM SOURCE: 75 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	98.0	103.0	105.6	109.3	113.8	117.4	119.8	121.3	120.9	116.6	108.9	111.4	114.9	115.0	123.5	128.8
	115.6	115.3	115.1	114.7	112.5	108.0	108.1	108.3	107.0	105.1	104.2	99.4	99.7			
A	DIST FROM SOURCE: 134 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	91.8	97.6	101.4	104.4	107.7	112.4	115.2	116.2	114.5	105.9	91.9	95.4	98.4	99.6	115.0	122.1
	101.5	103.7	105.4	106.4	106.5	105.5	103.8	100.1	97.1	97.5	94.5	92.5	89.2			
B	DIST FROM SOURCE: 238 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	85.8	92.7	96.9	99.8	103.0	107.2	108.3	107.2	101.9	87.4	81.2	88.7	93.1	95.9	111.4	115.4
	98.6	100.7	103.2	104.3	103.8	101.4	96.9	95.8	94.4	91.5	88.0	85.4	82.7			
C	DIST FROM SOURCE: 423 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	80.5	86.8	91.0	93.9	96.7	99.9	97.4	89.5	82.6	69.2	69.9	78.1	82.6	86.3	104.4	107.0
	89.6	93.6	97.3	99.1	97.2	91.8	87.0	85.5	82.4							
D	DIST FROM SOURCE: 753 METERS												OVERALL SAMPLE DURATION: 30 SEC			
	79.1	86.0	90.1	91.8	93.6	95.3	91.0	81.2	75.9	69.4	71.2	74.0	79.9	81.4	95.6	101.4
	84.3	88.2	91.9	88.7	79.4	78.9	79.3	74.6	70.1	69.8						
E	DIST FROM SOURCE: 1255 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	80.0	86.4	90.6	91.9	92.7	91.6	87.6	89.9	90.5	85.1	82.8	90.5	94.0	96.0	101.3	104.6
	96.0	95.7	92.5	88.5	88.6	86.0	84.6	80.5	77.2	73.5						
F	DIST FROM SOURCE: 1757 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	76.5	78.9	75.6	80.1	85.7	86.0	83.4	85.4	79.3	77.6	79.9	85.2	86.9	87.3	94.7	97.7
	88.3	90.5	87.8	83.1	80.6	74.9	73.4	65.6								
G	DIST FROM SOURCE: 2079 METERS												OVERALL SAMPLE DURATION: 34 SEC			
	67.4	79.9	85.9	83.8	85.7	82.9	86.5	86.1	82.1	73.3	75.9	80.0	81.6	80.6	88.4	95.2
	82.1	83.4	79.8	78.1	76.7	72.3	65.2									
H	DIST FROM SOURCE: 2273 METERS												OVERALL SAMPLE DURATION: 33 SEC			
	76.6	84.9	83.8	86.3	87.3	90.2	87.2	85.1	81.8	81.2	86.4	90.3	93.5	93.0	97.3	101.3
	92.2	90.5	89.0	84.4	80.3	77.4	71.6	65.7								
I	DIST FROM SOURCE: 2377 METERS												OVERALL SAMPLE DURATION: 33 SEC			
	76.1	80.0	80.6	86.4	87.4	88.7	90.5	90.2	85.8	83.8	88.3	90.7	91.0	86.9	92.7	99.7
	84.5	84.5	82.6	79.6	76.5	74.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-325

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 325
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC		
	96.7 103.0 105.8 109.5 113.9 117.6 120.8 123.1 124.5 121.2 114.9 111.6 111.9 112.2	122.1	130.1
	112.7 112.2 112.1 112.1 110.2 107.2 107.6 108.5 106.7 104.7 104.5 99.5 99.6		
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC		
	96.1 102.8 106.3 109.7 114.1 117.4 121.3 124.3 126.3 123.4 117.3 112.0 105.5 101.9	120.1	131.0
	99.7 98.5 101.4 103.2 104.9 105.9 107.3 108.8 106.4 104.4 104.8 99.5 99.5		
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC		
	97.2 103.2 105.3 109.3 113.6 117.7 120.3 121.6 121.2 116.5 108.8 111.1 114.4 115.0	123.5	129.0
	115.6 115.1 114.9 114.9 112.6 108.1 107.9 108.3 107.0 105.0 104.2 99.4 99.6		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC		
	91.7 98.0 101.3 104.7 108.0 113.3 116.2 117.0 114.9 105.5 90.8 96.1 99.2 100.8	115.9	122.8
	102.9 105.6 107.6 108.6 107.6 104.6 100.2 101.1 99.0 97.1 94.7 92.8 89.8		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC		
	85.5 93.2 97.3 100.8 103.7 108.3 109.1 108.0 102.1 86.2 83.8 92.4 97.2 100.2	113.7	117.0
	102.7 104.8 107.1 107.3 104.8 100.3 97.3 98.0 95.2 92.3 89.8 87.2 84.6		
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 34 SEC		
	81.2 88.1 92.0 95.0 97.4 100.9 97.9 89.8 83.1 72.5 75.6 84.0 86.4 89.5	104.2	107.5
	92.1 96.1 98.8 98.2 94.1 89.6 87.1 86.4 82.0		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC		
	80.2 87.7 91.7 94.1 95.4 96.1 88.5 89.8 89.4 81.0 79.0 86.1 91.1 91.8	100.7	104.6
	92.7 94.6 95.1 90.7 88.2 87.2 84.5 81.7 76.7 73.7		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 33 SEC		
	79.9 86.6 89.7 90.5 88.6 82.7 90.2 93.0 92.2 83.2 76.5 85.6 88.0 87.9	96.7	101.5
	88.4 90.8 90.8 87.8 82.8 79.7 79.8 76.6 70.3		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC		
	74.6 77.4 80.7 85.4 82.5 82.0 87.6 86.2 80.5 74.4 74.7 80.7 83.7 87.2	93.9	97.2
	88.8 88.5 85.8 85.3 80.8 74.3 71.2 66.0 60.5		
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 34 SEC		
	70.6 82.0 85.7 84.8 85.7 81.4 86.7 88.5 86.1 82.4 81.0 85.1 84.7 84.5	92.1	97.4
	84.1 86.0 86.2 82.6 77.1 73.3 68.8 61.3		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 33 SEC		
	77.3 84.4 81.8 86.2 83.5 84.9 87.6 88.3 87.4 82.7 83.1 89.6 90.5 89.1	95.5	99.7
	90.8 89.0 87.2 83.7 80.8 76.2 69.2 62.4		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 33 SEC		
	75.4 78.6 81.0 83.6 84.6 85.6 87.6 89.7 85.8 79.7 80.0 85.7 90.6 90.2	93.1	98.4
	87.2 85.1 82.6 80.4 76.9 72.5 65.8		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-326

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 326
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	97.1	102.0	106.4	109.6	114.1	117.9	120.7	123.1	124.1	121.4	115.2	111.4	111.5	111.6	122.0	130.0
	112.1	111.9	112.2	112.5	110.7	107.3	107.1	108.0	106.5	104.4	104.3	99.7	99.2			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	96.5	101.7	106.9	109.8	114.3	117.7	121.1	124.1	125.9	123.6	117.6	111.9	105.7	101.6	119.5	130.8
	98.9	97.3	99.9	101.7	103.1	104.1	105.7	107.4	105.6	102.7	104.1	99.6	98.2			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	97.6	102.2	105.9	109.4	113.8	118.1	120.2	121.6	121.1	117.1	109.6	110.8	113.9	114.3	123.6	129.0
	115.0	114.9	115.1	115.3	113.3	109.1	108.2	108.5	107.2	105.6	104.6	99.8	100.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	92.1	97.0	101.8	104.6	107.9	113.4	115.9	116.8	114.6	105.8	91.3	94.1	97.1	98.5	114.1	122.4
	100.4	102.7	104.9	106.4	106.0	103.7	99.9	98.2	97.0	95.4	93.0	91.1	88.2			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	86.2	92.5	97.9	100.4	103.5	108.5	108.9	107.8	102.2	87.2	83.3	90.0	93.5	95.4	110.8	115.8
	97.8	99.8	102.7	104.5	103.5	99.6	96.2	94.0	93.7	91.2	86.4	85.3				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	81.2	86.9	92.4	94.7	97.3	101.1	97.0	88.3	83.6	73.1	75.9	83.1	87.4	91.1	106.5	108.6
	94.4	98.1	100.8	100.7	96.6	91.4	91.3	90.6	83.7	87.0						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	80.3	86.2	91.6	93.3	95.0	97.0	91.3	83.1	78.7	73.8	74.5	79.5	82.6	85.2	97.9	103.1
	88.6	92.4	93.2	89.5	84.9	81.7	81.9	75.0	71.5	69.2						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	81.0	86.6	91.8	92.8	92.9	91.6	91.4	96.1	97.0	91.6	88.9	93.9	95.0	94.8	102.1	106.3
	95.6	96.5	94.0	89.7	89.6	88.2	85.7	83.5	78.8	76.3						
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	75.4	76.7	78.1	84.4	84.5	79.2	86.5	85.9	81.2	80.1	80.9	84.9	86.9	87.6	94.0	97.4
	87.6	87.1	86.8	85.8	81.4	75.5	71.9	66.8	62.0							
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	70.8	81.0	85.9	83.5	85.9	83.6	87.9	84.8	80.2	74.0	77.8	83.7	85.1	83.9	91.5	96.5
	82.2	85.2	86.2	82.1	77.8	73.2	67.0									
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	77.3	83.2	83.1	86.9	86.0	87.6	88.4	88.7	85.1	82.0	82.9	88.3	90.0	89.8	95.1	99.6
	89.0	88.4	87.4	85.2	79.8	74.3	69.8									
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 32 SEC						
	75.7	78.3	82.5	84.2	86.6	85.4	87.3	88.7	84.7	81.1	83.2	87.8	90.1	88.6	92.7	98.3
	85.9	84.9	83.7	80.3	76.7	72.9										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-327

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 327
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	97.2	102.7	106.2	109.5	114.2	117.6	120.5	123.0	124.3	121.3	115.1	111.6	111.9	112.0		122.0	130.0
	112.5	112.1	112.4	112.2	110.4	107.1	107.2	108.0	106.3	104.3	104.3	99.5	99.1				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	96.6	102.4	106.6	109.7	114.4	117.3	120.9	124.0	126.1	123.4	117.5	112.1	106.0	101.9		119.5	130.8
	99.4	97.9	100.5	102.0	103.2	104.3	105.7	107.3	105.1	102.6	103.9	99.1	97.6				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	97.6	103.0	105.7	109.4	113.9	117.8	120.0	121.6	121.2	116.9	109.4	111.1	114.3	114.7		123.6	129.0
	115.4	115.1	115.2	115.0	113.0	108.8	108.2	108.5	107.3	105.6	104.6	99.9	100.3				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	92.0	97.6	101.7	104.5	108.0	113.0	115.5	116.4	114.6	106.0	92.0	94.2	96.2	96.3		113.6	122.1
	98.2	100.7	103.4	105.5	105.5	104.0	100.8	96.9	97.1	94.9	91.9	90.1	87.0				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	86.3	93.0	97.7	100.3	103.4	108.1	108.6	107.6	102.3	87.9	82.6	88.6	91.6	93.4		108.7	115.0
	95.6	96.7	98.9	101.2	101.7	99.7	95.2	92.4	90.4	89.8	84.1	82.9					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	81.4	87.8	92.6	95.2	97.9	101.3	97.5	88.6	86.1	75.6	75.7	83.3	86.9	89.6		104.6	107.7
	91.0	94.0	96.4	98.0	97.2	94.6	91.8	88.1	84.0	83.8							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	80.1	86.6	91.3	93.2	95.0	95.6	89.5	83.7	82.0	75.2	74.0	81.9	85.1	86.7		100.1	103.6
	89.5	92.2	94.6	94.1	89.8	85.0	82.8	80.0	72.9	71.8							
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	79.9	86.2	90.6	91.5	91.3	88.7	89.3	93.1	93.8	88.5	85.6	90.7	92.7	92.9		100.6	104.2
	93.8	94.8	93.6	90.2	87.5	85.6	84.3	80.0	75.6	73.0							
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	77.1	80.0	78.3	82.6	87.1	87.7	88.6	90.6	86.1	80.3	82.8	87.7	88.7	87.5		93.2	98.7
	87.0	85.3	85.5	82.5	79.1	76.2	72.9	66.2									
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	70.9	79.7	85.8	84.1	84.7	82.5	86.1	83.7	81.3	77.3	77.3	83.8	88.1	87.6		92.6	97.0
	87.1	85.9	84.8	82.0	77.8	72.4	67.4	61.3									
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 19 SEC		
	74.7	83.8	85.2	82.6	86.8	83.9	87.6	86.3	79.5	77.5	78.2	84.3	86.9	87.2		91.8	97.1
	85.5	83.2	84.3	83.1	77.6	72.2	65.9	60.7									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	74.7	80.9	78.7	84.3	81.8	83.1	81.9	86.0	82.8	79.5	81.3	84.1	85.9	85.3		90.2	95.5
	84.5	83.0	82.0	79.1	74.4	70.3	66.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-328

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 328
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.8	102.3	106.0	109.6	113.9	117.5	120.4	122.9	124.2	121.4	115.3	111.2	111.2	111.3	122.1	129.9
	112.3	111.7	111.7	112.7	111.2	107.8	107.4	108.1	106.5	104.5	104.5	99.7	99.4			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	96.4	102.1	106.5	109.8	114.2	117.3	120.9	123.9	125.9	123.5	117.6	111.8	105.5	101.1	119.6	130.7
	98.7	97.1	99.3	101.9	103.4	104.3	106.1	107.7	105.4	103.0	104.3	99.4	98.6			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	97.2	102.5	105.5	109.3	113.6	117.7	119.9	121.5	121.2	117.2	109.6	110.5	113.6	114.1	123.6	128.9
	115.2	114.6	114.6	115.6	113.8	109.8	108.4	108.5	107.4	105.6	104.7	99.9	100.1			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	91.4	96.7	100.9	104.1	107.3	112.4	115.2	116.2	114.4	105.7	91.1	92.4	95.7	97.4	114.0	121.8
	99.6	102.1	104.3	106.2	106.1	103.9	100.3	98.1	96.9	95.6	92.8	91.1	88.9			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	85.5	92.4	97.0	100.2	103.4	107.8	108.6	107.4	102.2	87.5	80.6	86.0	90.0	93.4	109.2	115.0
	96.4	98.3	100.8	102.5	102.1	98.6	94.1	93.1	89.1	87.6	84.3					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	80.3	86.8	91.5	94.5	97.3	100.7	97.8	89.0	84.8	75.0	75.8	81.8	84.7	87.9	104.5	107.4
	91.4	94.4	97.0	98.3	96.5	93.6	92.1	86.6	82.9	83.3						
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	79.2	85.7	90.1	92.1	93.8	95.1	91.1	85.7	81.1	72.0	73.2	80.6	83.9	87.1	97.9	102.4
	90.2	91.9	91.8	89.4	86.8	83.6	82.4	77.7	71.7	69.8						
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	79.8	85.8	90.5	91.9	92.9	92.1	89.8	92.2	92.9	86.4	82.8	88.0	90.9	91.5	97.1	102.9
	91.3	90.0	88.7	86.5	85.1	82.3	78.5	75.3	69.8							
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	76.7	80.6	80.6	75.5	84.3	88.8	88.2	88.5	82.6	75.5	78.8	84.7	87.0	85.0	91.9	97.3
	85.7	84.5	84.2	82.9	78.2	73.8	71.7	63.8								
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	70.2	75.8	83.3	82.9	79.8	85.3	81.2	84.3	80.7	74.7	78.3	83.1	85.2	84.5	89.9	94.8
	80.8	82.3	83.9	80.0	75.4	72.2	66.1	58.4								
H	DIST FROM SOURCE: 2279 METERS														OVERALL SAMPLE DURATION: 31 SEC	
	69.4	81.1	84.3	81.8	83.3	84.5	80.0	81.6	78.0	76.4	78.1	83.6	85.7	84.1	89.2	94.6
	81.9	80.5	82.2	79.0	75.1	69.7	63.4									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 30 SEC	
	70.9	79.7	79.6	80.1	82.5	81.0	80.0	78.3	75.1	74.3	76.6	79.9	82.0	81.2	87.2	92.4
	82.9	81.5	78.6	75.7	71.2	66.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-104-329

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 329
DATE 01 OCT 80

MICROPHONE:
ARRAY 04

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	96.9	103.1	106.2	109.7	114.3	117.9	120.5	122.8	124.1	121.6	115.3	111.3	111.4	111.4	121.9	129.9
	112.3	111.7	111.8	112.3	110.6	107.4	107.0	107.8	106.7	104.2	104.3	100.1	99.5			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	96.5	102.9	106.6	109.9	114.6	117.7	120.9	123.8	125.9	123.7	117.7	111.9	105.8	101.4	119.6	130.8
	99.1	97.3	99.5	101.5	103.1	104.1	105.6	107.5	106.2	102.7	104.2	100.3	99.0			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	97.3	103.3	105.7	109.5	114.1	118.1	120.0	121.4	121.0	117.3	109.5	110.6	113.8	114.2	123.5	128.9
	115.2	114.7	114.7	115.1	113.2	109.2	108.1	108.2	107.2	105.3	104.3	99.8	99.9			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	92.1	98.2	101.8	104.8	108.4	113.3	115.8	116.8	114.8	106.4	92.3	94.0	97.2	99.0	114.7	122.5
	101.1	103.6	105.6	106.8	106.3	104.5	101.9	99.0	97.1	96.0	93.6	91.8	88.5			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	86.3	93.7	97.8	100.6	103.8	108.2	108.7	107.6	102.6	88.2	82.2	87.6	90.3	92.0	110.3	115.5
	95.6	98.0	101.3	103.6	103.4	100.7	95.9	94.1	91.3	90.4	85.0	84.0				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	81.3	88.4	92.5	95.2	98.1	101.6	98.7	90.3	84.4	75.9	76.1	82.6	85.0	86.6	102.1	107.0
	88.6	90.6	92.6	94.3	94.4	93.1	91.3	88.8	84.0							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	78.4	85.5	89.9	92.5	94.4	95.1	89.1	82.9	79.8	70.3	71.0	78.6	84.4	88.2	98.4	102.6
	92.0	93.2	91.7	89.0	87.2	84.1	82.6	75.7	73.1	69.6						
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	79.7	86.4	90.4	91.8	92.6	90.8	87.7	92.1	93.9	88.4	85.0	90.2	92.9	93.3	100.1	104.1
	94.0	93.7	92.2	90.4	88.0	84.7	82.6	79.0	73.5							
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	77.3	82.2	81.9	78.2	85.1	86.9	83.7	85.6	85.4	78.1	79.4	85.0	87.1	86.1	92.8	97.2
	87.3	85.8	84.9	83.9	78.9	76.3	72.6	64.6								
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	71.8	77.3	83.7	83.6	81.2	85.2	82.6	84.9	76.2	73.7	74.4	80.1	82.3	81.1	87.2	93.7
	78.3	79.9	80.7	78.0	73.8	70.3	64.4									
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	69.8	81.4	83.9	82.5	84.8	84.3	81.3	83.0	77.1	73.4	74.4	79.7	81.0	81.5	86.4	93.5
	79.5	78.9	79.0	76.5	73.4	69.4	62.4									
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	70.5	79.8	78.6	81.2	82.5	80.9	81.8	80.0	75.2	72.7	73.2	77.6	77.6	76.1	84.2	91.1
	75.6	77.3	78.2	75.5	71.4	66.9										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-330

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 330
DATE 16 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	100.3	106.4	110.3	113.3	117.0	119.7	123.1	125.9	127.4	127.3	124.8	122.2	124.0	122.8	121.5	119.0	116.5	114.5	113.6	113.2	112.5	113.9	111.9	109.6	109.7	104.4	105.6	128.6	135.0
S	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	100.4	106.5	110.4	113.4	117.1	119.2	123.4	126.7	128.9	128.7	125.9	122.5	123.7	121.2	116.1	108.9	103.0	106.8	109.8	111.3	111.8	114.0	111.8	107.8	107.6	103.4	104.3	127.0	135.4
T	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 29 SEC	
	100.2	106.4	110.2	113.2	116.8	120.1	122.9	124.8	125.3	125.2	123.3	122.0	124.3	124.0	123.8	121.7	119.5	117.1	115.6	114.4	113.2	113.8	112.1	110.9	111.1	105.2	106.5	129.8	134.7
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	92.2	99.2	103.0	105.6	108.7	113.8	116.2	117.4	117.0	112.5	104.8	95.8	101.4	103.4	105.7	107.7	108.2	108.1	105.3	102.3	103.3	100.6	98.5	97.7	94.7	93.8	91.1	116.2	123.9
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	89.4	95.5	99.8	102.1	104.8	110.0	111.8	111.7	108.9	100.6	87.6	87.0	94.0	99.4	101.8	104.9	105.0	101.9	98.8	99.0	95.3	93.1	90.2	87.2	83.7			111.1	118.3
C	DIST FROM SOURCE: 431 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	84.0	90.5	95.6	97.9	100.7	105.1	105.8	103.1	93.4	81.8	77.6	80.4	85.7	90.6	94.9	96.3	93.7	89.4	87.0	84.9	82.2	78.5	72.0					100.9	111.1
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	78.2	85.1	90.5	93.6	96.4	100.9	100.9	97.4	88.7	74.0	70.2	75.7	80.3	84.7	86.3	86.6	85.3	82.1	77.6	74.5	70.7							92.8	106.1
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	76.1	82.6	88.3	90.5	92.8	94.3	89.8	84.2	79.2	72.3	69.2	75.1	79.4	83.3	83.8	84.0	81.6	77.3	71.9	68.9								88.9	99.5
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	74.8	81.0	84.5	85.4	84.7	84.0	81.6	80.1	75.5	69.9	64.5	68.8	71.6	73.7	75.3	75.8	73.4	69.6	63.9	57.7								80.7	92.5
G	DIST FROM SOURCE: 2087 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	73.0	79.3	83.9	84.4	83.3	80.2				65.6	62.8	67.5	71.4	73.6	75.6	74.3	70.4	64.7	60.2	55.1								79.1	90.2
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	72.3	79.7	84.6	83.9	83.9	81.2	78.7	77.5	76.0	67.0		66.0	70.6	72.1	74.1	73.6	68.4	61.6	55.8	47.5								78.0	91.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-331

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 331
DATE 16 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 46 SEC						
	100.0	106.4	109.9	112.4	116.5	119.2	122.9	125.3	127.0	126.8	124.3	121.5	123.4	122.5	128.3	134.6
	121.1	118.8	117.1	115.1	113.4	112.3	111.8	113.2	111.2	109.2	109.4	103.8	104.9			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 46 SEC						
	100.0	106.2	109.8	112.4	116.6	118.5	123.0	125.9	128.2	128.0	125.2	121.3	122.6	120.4	125.9	134.6
	115.2	107.9	101.3	104.8	107.7	109.1	109.7	112.3	110.1	106.0	105.6	101.2	102.1			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 46 SEC						
	100.1	106.5	109.9	112.5	116.5	119.8	122.9	124.6	125.2	125.1	123.3	121.7	124.0	123.9	129.8	134.6
	123.5	121.6	120.1	117.9	115.8	114.1	113.3	114.0	112.1	111.0	111.3	105.3	106.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 46 SEC						
	92.0	98.9	102.5	104.5	108.1	113.3	115.6	116.5	116.5	112.2	105.4	94.3	98.2	100.5	113.3	122.9
	102.1	103.2	104.0	104.5	102.8	99.3	99.4	98.0	94.7	94.4	91.0	90.2	88.9			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 46 SEC						
	89.7	95.8	100.0	101.6	104.7	109.9	111.6	111.2	108.7	100.2	85.6	85.7	90.1	95.0	107.0	117.5
	96.7	99.5	100.5	98.1	94.2	93.7	90.4	88.1	84.0	82.2	79.5					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 45 SEC						
	84.3	91.0	96.2	98.1	102.0	106.3	106.8	103.1	92.5	85.4	79.3	81.4	87.1	89.9	99.9	111.8
	93.2	94.4	92.4	88.5	86.2	85.0	83.7	79.1	79.2							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 46 SEC						
	79.5	86.3	91.5	94.2	97.5	101.6	101.2	98.1	89.5	78.4	76.1	80.9	86.4	89.8	95.1	106.9
	89.6	87.4	87.9	82.5	79.2	78.6	72.8	70.5								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 46 SEC						
	78.2	83.8	89.6	91.2	93.3	94.0	90.5	85.2	80.1	75.5	72.3	78.2	81.3	84.2	90.6	100.1
	86.8	85.9	82.0	77.4	74.6	72.4										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 45 SEC						
	74.3	80.8	85.7	87.0	87.5	85.9	84.5	81.0	77.4	74.0	68.2	71.0	73.9	78.9	84.3	94.5
	78.6	79.6	76.9	73.2	68.1	61.7										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 25 SEC						
	72.6	78.9	83.1	84.9	84.1	80.3				66.5	65.3	70.9	78.0	80.4	83.1	91.1
	79.4	76.5	73.6	67.1	61.4	56.7										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 46 SEC						
	72.7	79.8	85.1	84.9	84.9	80.8	74.6	78.1	76.5	70.2	64.5	69.0	75.6	75.3	80.2	91.7
	76.0	74.7	71.1	64.4	58.6	51.9										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-332

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 332
DATE 16 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	100.2	107.2	109.8	113.0	116.9	119.7	123.3	125.7	127.3	127.0	124.6	121.9	123.8	122.9		128.5	134.9
	121.5	119.0	116.9	114.9	113.4	112.6	111.9	113.4	111.5	110.0	109.8	104.4	105.2				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	100.1	107.1	109.8	113.0	116.9	119.1	123.4	126.4	128.6	128.3	125.5	121.8	123.2	121.0		126.6	135.1
	116.2	109.4	103.2	106.0	108.7	110.0	110.4	113.0	111.2	108.7	107.6	103.5	103.5				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	100.2	107.2	109.9	113.0	116.8	120.2	123.2	124.9	125.4	125.2	123.5	122.0	124.3	124.2		129.8	134.8
	123.8	121.7	119.8	117.6	115.6	114.2	113.1	113.8	111.8	111.0	111.2	105.1	106.4				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	91.9	99.8	102.4	105.2	108.6	113.7	116.2	117.3	117.3	113.1	106.2	95.3	100.0	101.9		115.8	123.8
	104.6	106.8	107.4	107.2	105.5	102.4	102.1	101.4	98.8	98.2	95.4	94.8	92.9				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	89.3	96.0	99.0	101.5	104.5	109.8	111.8	111.7	109.5	101.7	88.2	84.6	89.6	94.8		109.0	118.0
	96.9	100.5	102.2	102.0	97.4	95.6	95.2	91.4	90.1	86.9	83.9						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	83.9	91.2	94.9	97.3	100.8	105.2	106.4	103.9	95.1	82.7	78.0	79.7	84.6	89.9		102.8	111.7
	95.5	98.1	97.0	92.4	88.7	87.2	85.8	81.2	77.5								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	77.6	85.4	89.9	93.1	95.9	100.2	100.8	97.9	89.1	75.1	69.8	75.0	79.5	83.5		93.5	105.9
	86.5	88.6	86.8	82.0	77.6	74.5	71.4										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	74.2	82.2	86.3	88.9	91.6	92.8	89.7	82.8	75.6	68.6	64.6	70.0	74.1	79.4		85.8	98.1
	81.4	79.9	79.0	73.6	68.8	65.3											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	71.8	78.8	82.5	83.6	85.6	86.0	81.7	75.3	70.6	65.5	61.3	64.4	67.2	70.8		78.0	91.9
	71.7	73.0	70.9	67.7	63.4	55.8											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	68.3	75.6	80.2	82.2	82.0	82.0	78.9	73.8	67.3	61.4	59.6	64.2	68.1	69.6		75.3	89.0
	70.9	69.2	67.1	62.6	56.0	51.3											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	69.7	77.6	81.7	82.8	83.3	82.2	79.1	78.1	75.7	75.2	70.8	64.8	67.6	68.6		75.0	90.1
	68.0	68.3	65.5	62.0	59.3	56.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-333

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 333
DATE 16 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 100.0 106.5 109.9 113.3 116.9 119.6 123.1 126.2 127.4 127.0 124.3 121.7 123.6 122.1 121.1 118.9 117.0 115.2 113.5 112.3 111.6 112.9 111.2 110.0 110.1 104.6 105.6	128.3	134.9
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 100.0 106.5 109.9 113.3 117.0 119.1 123.3 126.9 128.7 128.3 125.2 121.5 122.8 120.0 115.8 109.7 103.3 104.8 107.3 108.6 108.9 111.5 110.2 108.6 108.3 103.7 103.9	126.1	135.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 100.1 106.5 109.9 113.2 116.8 120.1 123.0 125.3 125.4 125.2 123.1 121.9 124.3 123.5 123.5 121.6 119.9 118.0 115.9 114.3 113.3 113.9 112.0 111.0 111.4 105.4 106.9	129.8	134.7
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 91.5 98.7 102.1 105.1 108.4 113.5 115.8 117.6 117.2 113.3 106.6 96.1 99.0 100.6 102.2 103.6 104.7 105.8 105.4 103.6 99.1 100.2 97.6 96.4 93.2 92.0 89.8	114.7	123.7
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 88.7 94.9 98.9 101.5 104.5 109.8 111.9 112.6 110.3 102.9 90.3 86.2 90.7 95.1 96.7 99.7 101.0 100.4 96.4 94.8 93.8 90.6 88.4 84.9 83.6	108.3	118.2
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC 82.9 89.4 94.0 96.4 99.5 104.1 105.5 104.6 97.2 83.0 76.8 78.7 83.5 86.7 90.9 93.2 94.4 93.2 90.5 86.4 85.0 82.5 74.1	100.9	110.9
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC 75.0 82.2 86.8 89.9 93.5 97.9 99.0 97.8 89.1 74.2 67.2 71.0 73.9 76.9 80.8 83.7 85.2 82.7 78.4 72.6 68.3	91.1	104.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 73.0 79.9 85.1 87.5 89.9 92.6 90.5 85.6 77.0 69.5 64.0 69.1 71.5 76.1 80.5 83.7 83.3 77.9 73.2 66.3 61.8	88.2	97.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 69.9 76.6 81.2 83.5 85.1 86.6 85.8 79.7 71.7 67.1 62.4 66.2 69.4 72.2 75.2 75.9 73.7 70.9 65.2 58.5	80.8	92.6
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC 67.1 73.6 79.1 82.2 82.2 82.6 80.4 77.3 70.6 61.5 60.8 65.9 69.4 70.9 73.8 73.1 72.0 66.6 59.2 52.9	78.4	89.5
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC 68.1 75.2 80.3 82.2 83.6 83.2 77.4 77.1 72.1 64.1 64.3 70.6 73.2 74.2 74.1 69.5 64.1 57.1 48.2	78.4	89.9

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-334

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 334
DATE 16 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	99.7	105.5	109.4	112.4	116.0	118.4	121.8	124.3	125.7	125.1	122.8	120.7	123.0	122.0	127.8	133.6
	120.5	118.3	117.3	115.6	113.3	111.8	111.4	113.0	111.0	109.5	109.4	103.9	104.9			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	99.6	105.5	109.3	112.3	116.0	117.8	121.8	124.9	126.8	126.2	123.5	120.3	122.3	120.2	125.2	133.4
	115.0	108.1	101.3	103.6	106.6	108.3	108.9	111.9	110.3	107.8	106.8	102.4	102.6			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	99.9	105.6	109.4	112.4	116.0	119.0	121.9	123.7	124.0	123.5	121.9	121.0	123.6	123.3	129.4	133.8
	122.9	121.1	120.3	118.5	115.8	113.7	112.9	114.0	111.6	110.7	111.0	105.0	106.4			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	91.6	97.9	102.0	104.4	107.2	112.0	113.9	114.8	114.6	110.6	104.8	95.7	95.3	96.7	111.7	121.3
	98.1	99.5	100.5	101.8	102.2	101.5	99.0	97.3	94.6	93.6	90.3	89.4				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	89.3	94.6	99.4	101.6	104.0	108.9	110.4	110.5	108.0	100.9	89.3	87.3	91.6	94.8	106.3	116.6
	95.1	96.6	97.6	97.8	96.6	94.8	91.6	88.9	85.8	82.3	79.4					
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	83.7	89.3	94.8	96.9	99.7	103.4	104.2	102.4	94.6	83.0	78.4	80.3	83.8	86.0	98.3	109.7
	88.4	89.4	89.8	90.6	89.3	86.1	82.5	78.8	72.1							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	76.8	82.7	88.3	91.3	94.3	98.2	98.8	95.7	86.5	75.8	70.9	75.6	79.2	81.3	91.5	103.9
	83.1	84.4	85.2	83.4	78.5	73.8	70.1									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	75.8	81.7	88.0	90.0	92.0	93.6	90.6	85.6	80.1	73.6	71.2	75.5	78.2	80.7	88.5	99.1
	81.7	82.6	82.7	79.1	74.2	68.5										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	72.9	78.4	83.6	85.2	85.8	86.7	85.4	80.7	72.9	68.1	65.4	72.3	74.3	77.5	83.9	93.6
	79.2	78.6	76.8	72.2	67.4	62.6										
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	70.0	74.8	81.4	83.6	83.3	83.4	79.3	77.3	72.9	64.5	61.8	67.7	69.8	71.0	77.3	90.3
	72.4	71.8	69.7	64.8	58.8	52.7										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	70.5	76.9	82.9	83.8	84.7	84.9	80.5	76.6	72.3	67.7	62.7	66.9	71.0	71.9	77.7	91.3
	72.7	72.7	69.5	63.5	57.5	48.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-335

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 335
DATE 16 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	99.4	105.9	109.4	111.9	116.1	118.5	122.1	125.0	126.3	126.2	123.8	120.9	123.0	122.1		128.0	134.1
	120.8	118.6	117.0	115.0	113.4	112.3	111.8	113.4	111.3	109.6	109.6	104.2	105.2				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	99.2	105.9	109.2	111.8	116.1	117.7	122.1	125.6	127.6	127.4	124.7	120.8	122.4	120.3		125.8	134.1
	115.4	108.7	101.8	105.0	108.0	109.5	110.1	112.8	110.8	108.0	107.1	102.7	103.2				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	99.5	106.0	109.5	112.1	116.1	119.1	122.2	124.4	124.6	124.4	122.8	120.9	123.5	123.3		129.4	134.1
	123.1	121.4	120.0	117.8	115.7	114.0	113.1	113.8	111.8	110.8	111.1	105.3	106.5				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	90.8	97.9	101.3	103.3	106.8	111.2	113.7	114.9	114.8	111.1	105.1	94.4	95.8	97.7		112.7	121.4
	99.3	101.1	102.6	104.1	103.3	101.8	99.3	98.2	95.3	94.5	90.8	89.9					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	88.5	94.7	98.4	100.1	103.0	107.5	109.6	109.6	107.0	99.4	87.3	84.9	89.2	93.5		105.6	115.7
	93.8	96.0	97.7	97.8	95.6	93.7	91.3	88.6	86.2	81.6							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	82.7	89.1	93.5	95.3	98.7	102.3	103.6	102.0	94.7	83.4	77.7	80.0	84.1	87.0		98.7	109.0
	90.5	92.4	92.1	89.1	87.1	85.4	83.0	78.4	72.8								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	75.4	82.2	86.5	88.5	91.3	95.4	96.6	93.9	85.2	72.6	69.2	73.8	77.1	79.7		88.8	101.6
	82.4	83.3	80.4	78.5	73.6	70.4											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC							
		81.9	85.9	87.8	89.8	90.8	87.9	82.7	77.0	73.2	68.7	73.3	76.4	78.7		85.4	95.0
	79.7	80.1	78.4	75.4	70.8	66.2											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	70.9	77.6	82.0	82.9	83.1	83.3	81.3	77.7	73.6	69.3	64.0	67.8	69.7	72.5		79.7	90.8
	74.2	74.7	72.9	68.5	63.4	57.8											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	69.2	74.5	80.1	81.7	80.8	79.0	75.9	72.3	68.2	61.5	60.8	67.2	69.8	71.1		76.3	87.8
	71.0	71.0	69.0	63.9	58.3												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	69.0	75.4	80.4	81.4	82.0	80.6	74.5	73.6	70.3	65.8		65.1	69.1	69.9		75.7	88.3
	70.2	70.6	68.2	62.9	56.6	47.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-33E

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 336
DATE 16 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	99.1	104.7	108.4	111.5	115.4	118.4	121.7	124.7	126.4	125.3	121.4	118.5	117.8	115.9		124.8	132.6
	114.6	113.8	113.3	113.7	113.0	111.4	109.9	110.1	107.7	106.5	106.5						
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	99.3	104.6	108.2	111.3	115.5	117.4	121.5	125.3	127.6	126.7	122.9	119.6	118.8	114.6		122.4	133.1
	109.1	103.4	99.1	95.1	97.1	97.8	97.2	99.1	97.9	96.3	95.8						
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	98.8	104.8	108.6	111.7	115.2	119.2	121.9	124.0	124.9	123.0	119.1	117.1	116.5	116.8		126.4	132.1
	117.0	116.7	116.2	116.7	115.9	114.3	112.8	112.9	110.5	109.3	109.3	103.9	104.5				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	90.7	96.8	100.7	103.4	107.2	112.0	115.1	117.1	117.0	113.4	107.6	103.8	100.3	98.6		111.5	123.0
	98.6	99.8	99.0	98.5	99.0	97.8	96.9	96.0	93.1	91.0	90.6	87.8					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	85.2	91.3	95.4	98.4	102.0	106.8	109.8	111.0	109.3	103.6	95.9	89.0	88.1	91.0		103.7	116.3
	92.1	92.8	92.6	91.5	91.7	90.7	88.7	87.2	83.5	81.2	79.2						
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	80.1	85.1	89.9	93.6	96.3	100.9	103.2	102.4	96.0	82.9	77.1	78.5	80.2	80.4		93.6	108.1
	82.2	83.6	83.6	82.8	82.0	80.6	77.9	76.1									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	74.1	80.0	84.3	86.8	89.9	93.5	95.9	95.0	90.4	79.5	70.4	69.2	69.7	71.3		84.8	101.0
	72.2	73.4	72.7	71.4	70.7	68.1	65.4										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	69.3	73.2	76.1	76.7	79.5	82.0	83.0	81.1	75.2	66.4	62.6	61.7	62.7	63.7		72.4	88.4
	64.4	64.5	63.0	60.9	58.1	54.0											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 32 SEC							
			68.9	68.2		72.2						57.5	58.9	59.5			
	59.8	60.0	58.1														
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 29 SEC							
		65.4	66.1	66.4								63.2	60.9	62.2	64.4	69.2	74.2
	63.8	62.9	60.1	56.3	55.2	55.6		52.7	49.2								
H	DIST FROM SOURCE: 2279 METERS									OVERALL SAMPLE DURATION: 30 SEC							
			63.5			66.4				66.4	65.7	61.4	60.5	59.0	59.2	61.2	66.0	73.5
	59.4	59.3	57.1	54.7	52.7	50.3											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC							
															55.4		
	55.8	55.8	53.9	53.2	52.5	49.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-337

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 337
DATE 16 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	99.0	105.0	109.0	111.5	115.3	118.7	122.0	124.6	126.1	125.0	121.6	119.0	118.2	116.3	125.1	132.6
	115.2	114.3	113.9	114.0	113.3	111.9	110.6	111.1	108.7	107.3						
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	99.2	104.8	108.9	111.3	115.4	117.7	121.7	125.2	127.2	126.4	122.9	119.8	118.8	115.0	122.3	132.9
	109.8	104.3	99.7	94.4	95.2	95.3	94.0	95.0	94.9	93.3						
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	98.9	105.1	109.2	111.8	115.2	119.5	122.2	124.0	124.7	123.0	119.7	118.0	117.4	117.3	127.0	132.3
	117.5	117.1	116.8	117.0	116.3	114.9	113.6	114.1	111.6	110.2	110.5	105.1	105.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	91.3	96.9	101.4	103.2	107.2	112.2	115.3	117.1	116.6	113.3	108.0	104.6	101.2	99.0	110.8	122.9
	98.6	99.3	98.1	96.9	96.5	95.2	94.2	93.6	91.0	90.1	89.4					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	85.6	92.0	96.3	98.5	102.1	107.2	109.8	110.9	108.9	103.6	96.9	91.0	88.1	89.8	103.3	116.2
	90.4	92.0	92.4	91.4	91.2	90.3	87.8	86.0	84.8	80.9						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	80.9	86.1	91.0	93.8	96.4	101.2	103.2	102.5	96.4	83.9	77.0	77.5	78.3	79.6	92.3	108.2
	80.2	80.0	80.0	79.8	79.1	77.9	76.3	74.4								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	74.5	80.6	85.5	86.8	89.6	93.4	95.1	94.0	89.1	78.1	68.9	68.5	68.9	70.5	83.6	100.3
	71.5	71.9	70.9	69.5	68.2	65.7										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	70.7	75.1	77.3	74.9	74.9	78.8	81.2	78.3	73.0	68.5	64.6	64.3	64.9		73.3	86.8
	66.9	67.5	66.9		62.4	58.2										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC	
		69.2	72.2	73.7	72.0	72.6	74.2	73.3	68.2	63.4	61.3	61.2	61.8	63.0	69.6	81.0
	64.0	64.6	65.2													
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	63.8	68.6	71.4	71.0	73.5	74.1		72.6								
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 40 SEC	
		66.3	68.7	69.2		71.3	73.1	71.1								
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC	
		63.1	66.3	66.4		69.3		67.2								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 338
DATE 16 DEC 80

MICROPHONE:
ARRAY 06

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-338

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC 99.1 105.7 108.9 111.4 115.3 118.5 121.7 124.4 126.2 125.2 121.4 118.8 118.1 116.2 115.0 114.3 113.6 113.7 113.0 111.5 110.4 110.9 108.7 107.4	125.0	132.6
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC 99.2 105.5 108.7 111.2 115.4 117.5 121.4 125.0 127.2 126.6 122.7 119.7 118.6 115.0 109.6 103.9 98.9 93.8 95.1 95.4 94.6 96.0 95.0 94.0	122.2	132.9
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC 99.1 105.9 109.1 111.6 115.1 119.2 121.9 123.8 124.8 123.2 119.5 117.7 117.6 117.2 117.3 117.1 116.6 116.7 116.0 114.5 113.3 113.9 111.6 110.4 110.5 105.3 106.0	126.8	132.2
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 38 SEC 91.2 97.8 101.0 103.0 107.0 111.8 114.9 116.7 116.6 113.2 107.7 104.7 101.5 98.7 97.6 98.0 96.6 94.5 93.2 91.6 90.2 89.3 86.3 84.5	110.1	122.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 38 SEC 85.5 92.3 95.5 97.7 101.2 105.9 108.5 109.3 107.7 102.5 95.7 89.3 85.0 86.0 85.2 86.3 86.1 84.5 84.8 83.9 81.6 79.3	100.3	114.8
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 38 SEC 80.3 86.3 90.1 92.8 95.3 99.7 101.5 100.9 95.9 83.8 75.0 74.4 75.4 76.0 77.0 77.7 77.2 76.5 75.6 74.2	90.2	106.7
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 38 SEC 73.4 80.4 83.7 85.2 88.3 92.0 93.8 92.5 88.1 77.8 70.0 68.5 68.5 69.6 70.2 70.8 70.3 68.9 67.4 64.7 59.3 54.3	82.5	99.0
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 37 SEC 71.3 75.6 78.9 79.6 80.6 82.4 80.9 78.2 76.4 70.7 66.0 66.9 66.8 67.7 68.4 69.3 68.4 67.2 63.1 59.0	76.2	88.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 38 SEC 68.3 69.6 72.2 77.2 76.2 74.5 68.7 61.8 60.2 61.1 61.6 62.7 63.5 63.4	70.1	81.4
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 37 SEC 63.7 70.9 72.0 73.3 73.3 70.8		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 37 SEC 66.8 66.3 69.4 72.3 72.1 72.4 70.7		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 38 SEC 63.7 65.8 71.1 70.9 70.6 68.7 67.3 60.0		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-339

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 339
DATE 16 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	99.4	105.1	109.0	111.7	115.0	118.6	121.7	124.6	125.8	125.0	121.3	118.8	118.2	116.3		124.7	132.4
	115.0	114.1	113.5	113.3	112.6	111.3	110.1	110.8	108.5								
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	99.5	104.9	108.8	111.5	115.2	117.7	121.5	125.1	126.9	126.4	122.6	119.6	118.6	115.1		122.1	132.8
	109.6	103.8	98.7	93.4	94.2	94.3	93.4	94.7	93.6								
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	99.3	105.3	109.2	111.9	114.8	119.4	121.9	124.0	124.5	122.9	119.4	117.8	117.8	117.3		126.6	132.1
	117.3	116.9	116.4	116.3	115.6	114.2	113.0	113.8	111.5	110.3	110.4	105.2	105.8				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	91.4	96.9	101.2	103.6	106.9	112.2	115.3	117.4	116.7	113.3	107.8	104.3	101.5	99.6		111.0	123.0
	99.1	99.9	98.9	97.4	96.8	95.3	93.9	92.8	90.1	88.8	88.1						
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	86.0	92.2	96.1	98.4	101.5	107.0	109.7	110.9	108.8	103.8	96.9	90.9	89.1	92.2		103.6	116.2
	93.0	93.5	93.3	91.5	90.8	89.2	87.2	85.3	81.2	78.5							
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	80.9	85.8	90.5	93.5	95.3	100.3	102.4	102.2	96.8	83.7	76.8	76.0	76.7	77.3		91.2	107.6
	78.4	78.8	78.1	77.2	76.6	75.3											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	75.2	81.7	86.4	88.1	90.4	94.8	97.2	96.9	92.4	82.5	72.5	69.6	69.9	72.4		86.2	102.5
	73.0	73.9	73.3	71.9	70.8	68.1											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	69.4	74.3	78.3	79.7	80.4	83.1	84.0	82.1	77.0	69.1		62.1	62.3	63.4		73.5	90.0
	64.0	64.5	63.6	61.3	58.5	54.4											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC		
		66.4	69.0	71.1	71.3	73.5						56.1	56.9	57.0		63.3	77.5
	57.6	57.3	55.9	52.8	49.2												
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 32 SEC		
			66.1	68.7										57.1			
	57.6	56.3															
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC		
			64.0			67.2				64.0			55.6	56.9			
	56.3																
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC		
														54.3			
	54.4	53.3															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-340

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 340
DATE 16 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	100.0	105.5	108.7	111.4	115.2	118.4	121.7	124.2	125.9	124.6	120.8	118.5	117.8	115.8		124.3	132.2
	114.2	113.4	112.9	112.7	112.0	110.7	109.6	109.8	109.0								
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	99.5	105.2	108.5	111.2	115.4	117.5	121.4	124.7	127.0	126.1	122.1	119.4	118.2	114.7		121.8	132.6
	109.3	103.3	98.0	93.2	94.5	94.7	94.0	95.3	94.7								
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	100.4	105.8	109.0	111.5	115.0	119.0	121.9	123.6	124.4	122.5	119.0	117.4	117.3	116.6		126.0	131.7
	116.4	116.2	115.9	115.7	115.0	113.7	112.5	112.8	111.9	109.1	109.2	103.8	104.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	90.9	97.7	101.0	103.2	107.1	111.8	114.9	116.6	116.4	112.7	107.4	104.8	101.8	98.3		109.7	122.4
	96.9	96.5	94.7	93.2	92.8	91.2	89.9	89.3	88.1								
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	85.9	92.4	95.9	98.2	101.7	106.7	109.3	110.1	108.4	103.0	96.6	91.5	88.0	88.6		101.2	115.6
	87.5	87.2	86.8	86.2	86.3	85.1	82.9	80.8	76.9								
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	80.5	85.9	90.1	93.0	95.5	100.1	102.0	101.2	96.0	84.0	76.4	75.8	76.9	77.4		90.7	107.1
	77.4	78.4	78.6	77.0	76.2	74.7											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	73.9	80.2	83.8	85.0	87.3	91.2	93.3	92.4	88.1	77.7	68.8	67.5	68.0	69.4		82.2	98.6
	70.3	70.5	69.8	68.4	66.9	64.2	58.5	54.1									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	69.7	74.5	77.4	77.0	78.1	80.8	82.5	80.2	74.6	66.1	62.6	63.5	63.9	64.5		73.3	88.2
	64.8	65.3	64.5	62.3	59.5	55.0											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC		
		69.2	72.5	73.1	72.0	71.5	72.2	71.1	67.9	62.2		57.2	58.1	59.2		66.0	78.7
	59.7	59.8	57.7	54.8	50.8												
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	62.6	66.3	69.0	70.2	70.7	68.6	69.0	68.9	66.1		57.1	57.2	57.0	58.0		63.9	77.2
	58.3	57.5	55.7	53.6	50.9												
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 35 SEC		
		65.6	67.1	70.0		70.3	69.0	67.6					55.9	58.1		62.9	76.3
	56.9	56.6	54.2	50.8	47.1												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	57.8	63.2	64.5	64.9		68.0	66.7	65.1					53.8	54.1		59.7	73.9
	54.3	53.3	51.1	47.8													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-341

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 341
DATE 16 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC		
	99.8 105.2 108.7 110.7 115.0 118.0 121.4 124.5 125.8 124.9 121.2 118.6 118.0 116.0	124.9	132.3
	114.6 114.3 114.0 113.2 112.6 111.4 110.2 110.3 109.4 106.8 106.9		
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC		
	99.2 104.9 108.4 110.5 115.1 117.2 121.2 125.0 127.0 126.4 122.5 119.6 118.7 115.0	122.1	132.7
	109.4 103.9 99.1 94.4 95.9 96.3 95.7 97.0 96.0 94.8 94.9		
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC		
	100.2 105.5 108.9 110.9 114.9 118.7 121.5 123.9 124.3 122.7 119.3 117.2 117.1 116.8	126.5	131.9
	116.9 117.1 116.9 116.2 115.5 114.3 113.2 113.2 112.3 109.7 109.8 104.5 105.4		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC		
	91.4 97.3 101.0 102.7 107.0 111.9 114.9 117.1 116.6 113.3 107.8 104.9 102.0 99.1	110.2	122.7
	97.9 98.2 96.6 94.6 93.7 91.8 90.0 89.1 86.7		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC		
	86.0 92.2 95.7 97.8 101.5 106.5 109.1 110.5 108.5 103.5 97.4 92.5 88.6 88.8	101.6	115.7
	88.3 88.3 87.8 86.4 86.4 85.6 83.2 81.3 77.5 75.4		
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 34 SEC		
	80.2 85.5 89.9 92.6 95.6 100.3 102.1 101.8 96.3 84.4 76.7 75.3 76.0 77.3	90.9	107.3
	78.0 77.7 78.3 76.9 76.2 75.0		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC		
	74.0 80.3 84.2 85.4 88.8 92.7 95.0 94.3 90.0 80.2 70.7 68.6 69.0 70.5	83.8	100.2
	71.4 71.6 71.4 69.8 68.0 65.6		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC		
	68.6 72.4 75.9 77.0 80.4 84.0 86.3 83.7 78.3 68.3 61.6 62.4 62.7 63.2	74.4	90.9
	63.9 64.4 63.5 61.5 58.7 54.4		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC		
	65.7 67.0 66.2 70.7 73.5 74.9 73.1 66.5 56.8 58.1 58.4	65.9	79.1
	59.2 59.5 57.5 54.4 50.5		
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 34 SEC		
	59.9 63.4 65.7 65.1 68.7 71.0 68.1 66.1 57.7 58.1	64.5	76.2
	59.1 58.3 56.5 54.0		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 34 SEC		
	60.9 63.2 62.2 66.1 68.4 65.8 63.7 55.9 57.5	62.1	73.6
	56.2 56.0 53.7 51.0 47.4		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC		
	58.7 61.0 61.7 63.4 65.8 63.1 61.8 54.9 54.0	59.1	71.2
	53.5 53.0 51.0		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-342

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 342
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	100.9	108.0	110.9	113.7	118.1	120.3	123.3	126.2	128.0	127.7	124.6	122.8	124.3	122.7	129.0	135.4
	121.5	118.9	116.4	114.8	115.2	114.8	114.1	115.4	113.5	110.4	110.5	104.5	107.7			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	100.5	107.8	110.8	113.5	118.2	119.8	123.3	126.8	129.4	129.1	125.5	123.0	124.0	120.7	127.8	135.7
	115.1	107.0	105.6	109.4	112.8	114.2	114.8	116.5	114.5	108.4	108.0	103.5	106.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	101.2	108.2	111.1	113.8	118.1	120.8	123.3	125.5	125.8	125.4	123.5	122.5	124.7	124.0	130.0	135.1
	124.0	121.8	119.2	117.1	116.7	115.3	113.3	114.1	112.1	111.8	112.0	105.3	108.8			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	92.8	100.6	103.6	105.8	109.8	114.2	116.5	117.9	117.6	112.2	101.0	98.8	104.3	106.0	117.9	124.5
	107.1	108.2	109.0	109.6	109.2	107.1	101.9	103.0	101.1	98.8	97.2	96.3	93.3			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	89.7	97.1	100.7	102.8	106.4	110.9	112.4	112.2	108.9	96.1	81.6	87.8	93.6	99.2	113.3	119.1
	101.6	104.5	105.9	106.2	104.6	101.0	98.6	98.4	93.4	91.4	89.7	87.2	83.8			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	84.8	92.4	96.7	98.8	102.7	106.6	106.1	100.3	87.4	75.7	73.2	80.2	84.9	87.0	104.5	112.0
	93.1	97.8	99.5	97.1	91.5	91.4	90.4	86.3	80.9	77.4	72.5					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	79.2	86.9	91.4	94.4	98.5	102.5	101.9	97.4	85.2	72.3	64.7	70.4	78.3	84.8	94.3	107.3
	89.5	90.7	84.6	81.4	71.2	72.6										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
		84.3	88.8	91.7	94.9	95.5	89.4	80.4	74.1	62.4			66.0	73.1	79.9	100.1
	75.3	72.3	64.4	62.1	62.2											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	70.9	78.6	83.2	85.4	87.2	85.8	81.9	75.9	67.5							
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC						
			81.1	84.2	85.3				66.0	58.0	58.5	60.0	60.3	64.1	66.3	88.2
	60.9															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-343

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 343
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	101.6	107.7	111.0	113.7	118.1	120.2	123.5	126.0	128.1	128.0	124.9	123.3	124.5	123.0		129.2	135.6
	121.7	118.8	115.5	114.3	115.3	115.0	114.6	115.6	113.4	110.2	110.2	104.0	106.7				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	101.4	107.5	110.9	113.6	118.2	119.7	123.5	126.6	129.5	129.5	125.9	123.8	124.2	121.7		128.3	136.0
	115.7	107.4	106.2	109.9	113.8	115.2	115.7	117.0	114.6	108.7	108.3	103.0	104.6				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	101.9	108.0	111.1	113.8	118.0	120.7	123.5	125.3	126.1	125.5	123.6	122.7	124.9	123.9		129.9	135.1
	124.1	121.7	118.3	116.4	116.5	114.8	113.1	113.7	111.7	111.3	111.5	104.9	108.1				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	93.9	100.3	103.6	105.7	109.6	114.1	116.6	117.8	117.8	112.3	101.3	97.6	102.8	104.6		117.1	124.3
	106.5	108.2	108.8	109.0	107.6	103.6	102.0	102.6	99.1	98.5	95.9	95.1	92.0				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	90.2	96.7	100.7	102.5	106.0	110.6	112.4	112.1	109.3	97.4	82.0	86.8	92.7	97.2		111.1	118.6
	99.2	102.2	103.6	104.0	102.2	97.7	97.0	96.0	90.4	88.4	85.4	81.0					
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	85.5	91.9	96.7	98.5	102.2	106.0	105.9	100.5	87.7	76.8	72.5	76.7	80.7	81.6		101.3	111.2
	86.2	91.5	95.4	96.2	91.6	83.1	85.4	79.7	74.6	70.4							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	80.4	86.6	91.6	94.4	98.5	102.4	101.8	97.0	86.8	73.1		68.5	72.6	75.8		89.2	107.0
	76.9	81.8	81.1	75.0	68.0	71.1											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	78.3	83.3	89.1	91.1	93.9	95.4	90.8	83.2	75.8	63.5	58.4	61.9	67.4	73.4		83.7	100.0
	76.2	77.6	78.5	71.0	67.2	66.4	60.2										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	73.0	79.2	84.2	86.1	87.9	87.0	83.7	78.7	69.4			56.1	59.0	61.7		73.7	93.2
	63.7	64.9	67.4	63.5	57.9	48.3											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	72.7	77.8	82.3	85.0	86.1	84.2	77.6		65.5	59.0	56.8	61.1	65.5	69.1		79.3	90.7
	74.1	75.7	74.1	65.0	53.0	48.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-344

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 344
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	100.9	107.1	110.5	113.7	117.8	120.0	123.9	126.1	128.2	127.9	124.8	123.0	124.4	123.0	129.0	135.5
	121.4	117.9	114.6	114.2	115.3	115.1	114.7	115.6	113.3	110.4	110.2	104.1	106.4			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	100.5	106.9	110.4	113.7	117.8	119.4	123.9	126.7	129.6	129.5	125.8	123.7	124.3	121.9	128.5	136.0
	115.8	107.3	106.8	110.4	114.3	115.7	116.0	117.2	114.7	109.9	109.2	103.8	104.7			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	101.1	107.4	110.6	113.8	117.7	120.4	123.9	125.3	126.0	125.4	123.5	122.2	124.5	123.8	129.4	134.9
	123.8	120.8	117.2	116.2	116.2	114.4	112.9	113.2	111.3	110.8	110.9	104.3	107.6			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	92.9	99.7	103.1	105.8	109.3	113.8	117.1	117.8	117.7	112.3	100.5	98.0	103.3	105.3	117.3	124.4
	107.3	109.2	110.0	109.6	106.2	102.0	103.1	102.1	97.7	98.3	95.3	94.2	90.7			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	89.3	96.1	100.1	102.6	105.7	110.4	112.8	112.1	109.1	97.1	82.2	87.3	92.9	97.5	111.6	118.8
	99.8	103.5	105.1	104.9	101.0	96.3	98.2	95.4	89.2	86.9	82.3	79.2				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	84.7	91.2	96.1	98.6	101.9	105.8	106.2	100.7	87.3	76.2	70.5	74.7	81.8	85.0	101.6	111.3
	89.5	93.6	96.6	95.8	88.5	83.7	83.9	81.2	73.2	69.7						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	79.6	86.0	91.0	94.4	98.0	102.1	102.0	96.9	86.1	72.5		66.5	71.5	73.5	89.2	106.9
	76.4	82.3	81.6	74.9	67.4	71.3										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	77.4	83.0	88.6	91.3	94.1	95.6	91.1	83.3	75.2	63.9	58.9	60.4	66.1	72.8	83.8	100.1
	78.0	78.9	76.8	70.1	67.8	61.9	59.8									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	72.7	79.5	84.2	86.5	88.5	87.8	84.3	78.7	68.0	61.0	56.3	60.5	63.9	65.1	76.2	93.8
	70.5	71.8	67.4	61.9	58.3	48.8										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	70.6	76.8	82.3	85.4	85.4	83.6	77.6	68.8	66.0	58.5	58.4	64.3	65.8	68.1	76.8	91.0
	72.4	72.4	70.9	57.5	53.8	49.0										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-345

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 345
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 45 SEC					
	100.7	106.5	110.4	113.3	117.8	120.1	123.4	126.2	128.1	128.0	124.9	122.9	124.6	123.0		129.1	135.5
	121.3	118.1	114.8	114.7	115.8	115.5	115.1	115.8	113.6	110.6	110.4	104.4	106.9				
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 45 SEC					
	100.6	106.4	110.3	113.2	117.8	119.6	123.4	126.9	129.5	129.6	126.0	123.6	124.5	122.1		128.7	136.1
	115.8	107.6	107.2	111.1	115.0	116.2	116.4	117.3	115.1	110.1	109.4	104.2	105.8				
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 44 SEC					
	100.9	106.6	110.6	113.4	117.8	120.6	123.3	125.4	125.9	125.3	123.5	122.1	124.8	123.9		129.5	134.8
	123.6	120.9	117.4	116.6	116.4	114.6	113.3	113.4	111.5	111.1	111.1	104.6	107.9				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 45 SEC					
	93.0	99.1	103.0	105.4	109.4	114.1	116.7	118.0	117.5	112.1	99.9	97.4	103.1	105.7		117.9	124.5
	108.4	110.7	111.0	108.7	102.3	106.4	104.9	101.3	101.2	98.6	95.9	94.8	91.5				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 45 SEC					
	89.4	95.6	100.1	102.3	105.9	110.8	112.5	112.3	108.7	96.3	82.5	88.7	94.6	98.7		111.5	118.7
	100.7	104.4	105.9	103.6	96.1	99.6	97.9	91.4	88.0	84.9	80.2	78.7					
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	85.0	90.8	95.9	98.2	102.0	106.0	105.6	100.3	86.6	75.7	71.1	73.5	80.7	85.7		101.6	111.1
	91.7	96.3	97.3	91.8	85.1	85.2	85.7	78.9	72.3	70.2							
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 44 SEC					
	79.4	85.1	90.8	93.9	97.8	102.2	101.5	97.1	85.5	73.2		67.7	69.6	73.8		90.9	106.7
	79.4	85.8	85.7	69.9	69.8	70.7											
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 44 SEC					
	77.5	83.3	88.1	90.5	93.7	95.4	90.7	83.0	75.5	63.4	59.5	65.0	69.4	73.4		84.0	99.3
	77.9	79.9	77.0	68.9	66.7	63.9	60.7										
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 44 SEC					
	71.5	77.6	83.1	85.2	87.9	87.0	84.1	78.7	68.1	58.8	55.0	61.6	67.1	72.6		83.2	93.3
	78.0	80.8	76.1	65.4	59.2	55.2											
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 44 SEC					
	69.6	75.4	81.2	84.5		84.1	77.9		65.1	58.0	57.7	63.4	65.4	68.6		74.1	89.2
	71.0	68.6	65.8		52.7												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-346

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 346
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 100.4 107.5 110.2 113.2 117.7 120.0 123.5 126.2 128.0 128.1 124.9 123.3 124.7 123.1 121.3 118.0 115.0 114.6 115.4 115.2 114.8 115.8 113.9 111.0 110.4 104.4 107.2	129.1	135.6
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 100.1 107.2 110.1 113.2 117.8 119.5 123.6 126.9 129.5 129.7 125.9 123.9 124.7 122.2 116.2 108.3 106.9 110.6 114.2 115.7 115.9 117.3 115.5 111.0 109.2 104.2 106.7	128.7	136.1
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 100.7 107.7 110.4 113.3 117.7 120.5 123.5 125.4 125.8 125.4 123.5 122.5 124.7 123.8 123.6 120.7 117.6 116.6 116.2 114.6 113.3 113.4 111.5 111.1 111.3 104.6 107.7	129.5	134.9
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 92.6 100.1 102.8 105.4 109.4 114.0 116.9 118.1 117.6 112.0 99.6 98.1 103.2 105.5 107.7 110.1 110.6 107.9 101.6 104.9 102.8 99.6 98.6 97.3 94.5 93.3 90.2	117.1	124.4
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 88.9 96.4 99.8 102.3 105.8 110.7 112.7 112.3 108.7 96.2 83.0 87.4 92.6 97.8 100.4 104.1 105.1 101.9 94.3 100.1 97.1 91.7 88.5 85.1 80.6 78.7	110.8	118.7
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC 84.1 91.5 95.5 98.0 101.8 106.0 106.0 100.4 86.7 74.6 71.5 78.3 84.4 87.3 92.6 97.2 98.1 90.9 86.0 90.3 87.0 78.9 73.7 69.6	102.5	111.3
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 33 SEC 78.3 85.6 90.2 93.4 97.4 101.8 101.7 96.9 85.6 72.6 69.6 74.7 77.7 81.5 87.0 86.1 72.1 71.1 70.1 66.3	91.5	106.6
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 75.4 82.0 86.6 89.6 93.2 95.2 90.7 82.7 75.5 61.6 58.2 63.7 70.2 78.0 84.4 82.9 71.5 71.0 74.2 64.6 59.7	86.9	99.5
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 70.1 76.9 81.4 83.4 85.6 83.3 79.9 69.3 60.5 68.1 73.6 72.9 76.6 73.5 64.8 59.3 53.3	80.0	91.2
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC 68.1 74.8 79.4 82.9 81.8 75.0 66.9 58.6 56.5 63.6 70.1 71.1 73.9 70.2 64.3 54.1	75.9	87.4

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-354

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 354
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 49 SEC 98.8 105.0 108.6 111.2 115.1 117.7 121.0 123.8 125.6 124.6 122.4 121.1 123.4 122.6 121.5 119.9 119.1 118.0 116.2 113.8 112.4 113.3 112.0 110.7 111.1 105.4 107.0	128.9	133.8
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 49 SEC 98.8 104.6 108.2 110.8 114.9 116.6 120.4 123.7 126.2 125.2 122.2 119.4 121.6 119.7 115.7 112.1 107.7 103.1 103.7 103.1 101.6 102.5 102.0 99.5 100.4 95.6 96.7	124.0	132.5
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 50 SEC 98.8 105.4 108.9 111.6 115.3 118.7 121.5 123.9 124.8 123.9 122.7 122.3 124.7 124.4 123.9 122.5 122.0 120.9 119.1 116.6 115.3 116.2 114.8 113.5 114.0 108.2 109.8	131.1	134.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 49 SEC 90.5 97.6 101.3 103.3 106.3 111.2 113.8 115.1 115.8 112.3 107.8 104.3 100.9 98.0 97.2 96.6 95.8 95.1 93.9 93.0 91.1 89.9 87.7 86.4 83.0	109.5	121.7
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 49 SEC 86.5 93.3 97.3 98.8 101.1 105.9 107.7 108.1 107.4 102.2 96.8 91.4 86.6 86.3 85.4 85.7 84.6 83.8 82.6 81.6 78.4 76.7	99.7	114.3
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 49 SEC 80.1 86.5 90.7 91.5 93.4 96.7 97.0 96.3 92.9 85.9 80.4 75.9 76.4 77.1 78.1 77.7 76.6 75.1 73.6 71.2 67.3 63.1	87.9	103.4
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 49 SEC 78.4 81.5 82.1 83.8 87.2 87.7 86.5 81.9 71.8 67.9 69.1 70.2 70.1 69.8 69.4 68.3 66.3 63.0 58.7	78.4	93.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 50 SEC 71.7 74.6 73.0 72.7 74.2 75.6 75.0 72.9 69.2 65.2 67.2 67.5 67.6 67.3 66.5 64.0 60.7 55.7 49.2	73.2	83.6
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 50 SEC 65.5 65.4 68.7 68.7 68.7 66.6 61.5 58.7 60.8 61.6 61.9 60.9 58.6 54.8 49.5 43.8	66.1	75.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 48 SEC 61.9 63.2 66.2 69.7 71.0 70.6 68.2 64.2 60.8 62.1 63.1 62.6 61.3 60.1 55.1 48.3	67.1	76.9

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 355 DATE 17 DEC 80

MICROPHONE: ARRAY 05

IDENTIFICATION: OMEGA 12.2 TEST AA-105-355

DATE 05 FEB 87

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	100.3	105.7	109.3	111.7	115.8	118.7	121.4	123.9	125.2	125.0	122.8	121.2	123.3	122.8		129.2	133.9
	121.6	119.8	119.2	118.5	117.1	114.8	113.4	114.2	112.6	111.5	112.0						
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	100.2	105.1	108.8	111.2	115.4	117.3	120.6	123.5	125.6	125.4	122.0	119.1	120.4	118.7		123.0	132.1
	114.4	110.5	106.0	99.9	99.5	98.5	96.1	96.8	96.0	93.7	95.1						
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	100.4	106.1	109.7	112.2	116.1	119.8	122.1	124.2	124.9	124.6	123.4	122.6	125.1	124.9		131.7	135.2
	124.2	122.5	122.1	121.5	120.1	117.7	116.4	117.2	115.5	114.4	115.0	109.0	111.0				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	91.9	98.2	101.8	103.5	106.8	111.9	113.7	114.9	115.1	112.3	108.1	104.5	101.4	97.3		108.8	121.5
	95.6	95.0	94.0	92.4	90.7	89.4	87.2	85.7	83.0	81.6							
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	87.8	93.8	97.9	99.3	102.1	107.1	108.2	108.6	107.6	103.1	98.2	92.8	89.2	88.6		100.4	115.0
	86.5	86.4	85.7	84.3	82.6	81.6	78.4										
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	80.7	86.4	90.8	91.7	94.3	98.4	98.4	97.6	94.2	88.3	82.2	77.4	77.7	77.4		88.6	104.7
	78.1	77.3	76.0	74.5	72.5	70.4	66.8	62.5									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC		
		79.7	82.8	83.1	84.8	89.0	89.1	87.8	82.7	74.8	70.7	70.9	71.8	71.7		79.7	95.1
	71.6	71.0	69.4	67.0	63.5	59.1											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
		74.0	77.6	77.7	79.3	80.4	79.3	77.5	75.2	71.0	66.6	67.8	67.7	66.5		72.5	87.1
	64.9	63.7	60.9	57.5	52.5	46.8											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 34 SEC		
		66.3	68.1	69.6	70.8	70.5	71.0	70.4	67.2	63.1	63.4	66.4	66.4	63.9		67.7	79.1
	60.4	56.4	52.0	48.1													
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	65.3	67.2	69.1			72.2	73.0	73.1	71.8	69.1	65.8	63.7	66.4	67.2	64.5	68.5	80.3
	60.6	57.0	50.8														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-356

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 356
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	99.2 105.1 108.1 111.0 115.0 118.1 121.1 123.7 125.1 124.8 122.5 120.8 123.3 122.6	128.9	133.7
	121.5 119.7 119.2 118.1 116.6 114.2 112.8 113.7 112.2 111.0 111.4		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	99.2 104.6 107.6 110.6 114.8 116.8 120.5 123.6 125.7 125.4 122.1 119.2 121.1 119.4	123.5	132.3
	115.4 111.5 107.2 101.6 101.8 101.2 99.5 100.1 99.3 96.6 97.3		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC		
	99.3 105.5 108.5 111.4 115.1 119.0 121.6 123.8 124.4 124.1 122.9 122.0 124.7 124.5	131.3	134.8
	124.0 122.4 122.1 121.1 119.5 117.1 115.7 116.6 115.1 113.9 114.3 108.8 110.4		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC		
	91.0 97.7 100.1 103.0 106.2 111.4 113.8 115.1 115.4 112.6 108.4 104.8 102.0 98.9	109.5	121.6
	97.9 97.0 95.5 94.4 92.4 91.7 89.4 87.7 87.4 85.2		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC		
	86.7 93.0 96.4 98.1 100.5 105.4 107.1 107.6 106.4 101.9 96.6 90.8 86.9 86.1	99.1	113.7
	84.4 84.5 84.2 83.2 81.6 80.4 77.1		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC		
	80.4 86.5 90.4 91.8 93.8 97.2 97.5 96.7 92.8 87.3 81.9 76.7 78.1 78.3	88.5	103.8
	79.2 78.5 77.0 75.6 73.8 71.7 67.9 63.8		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC		
	74.6 77.7 80.1 80.9 82.7 86.3 86.4 83.9 78.8 72.1 68.8 69.9 70.9 70.8	78.0	92.2
	70.5 70.0 68.9 66.1 63.1 58.7		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC		
	71.7 72.8 73.4 73.2 74.6 73.8 72.9 71.2 68.0 65.0 66.0 66.6 66.0	71.7	81.8
	65.8 65.1 62.4 58.8 53.5 47.5		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC		
	65.6 64.5 59.7 57.1 59.0 59.8 59.1 57.7 55.2 51.1 46.9	63.3	71.6
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC		
	67.5 64.6 61.8 58.8 59.9 60.5 59.4 57.1 55.4 50.1	63.6	72.4

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-357

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 357
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.4	105.4	108.4	111.3	114.7	118.0	120.9	123.6	125.0	124.7	122.5	120.9	123.3	122.8	129.1	133.7
	121.7	120.0	119.4	118.5	116.8	114.4	113.0	113.8	112.3	111.3	111.6		107.6			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.2	104.9	108.0	110.8	114.5	116.6	120.2	123.4	125.6	125.2	122.0	119.0	121.1	119.4	123.5	132.1
	115.3	111.5	107.0	101.8	102.0	101.2	99.5	100.3	99.3	96.8	97.6		95.1			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.6	105.9	108.8	111.8	115.0	119.0	121.6	123.8	124.5	124.1	123.0	122.3	124.8	124.7	131.5	134.9
	124.1	122.7	122.3	121.4	119.8	117.3	115.9	116.7	115.2	114.2	114.6	108.8	110.5			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	91.1	98.0	101.2	103.4	106.0	111.4	113.6	114.8	115.0	112.2	107.7	103.8	100.3	96.3	108.7	121.3
	95.3	95.1	94.3	93.2	91.8	91.0	88.9	87.3	85.3	84.8						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	86.7	93.6	97.0	98.8	100.7	106.1	107.3	107.7	106.4	101.7	95.9	89.7	83.9	83.1	98.6	113.9
	82.5	82.9	82.2	81.2	79.5	78.3										
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	81.5	87.7	91.7	92.8	94.4	98.4	98.7	97.7	93.7	86.9	80.8	76.5	76.9	77.0	88.5	104.8
	78.0	77.5	76.6	74.7	72.8	70.5	66.5	62.2								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
		79.5	82.9	83.8	85.1	89.0	88.5	87.5	82.1	73.2	70.1	71.2	71.5	71.0	79.1	95.0
	70.6	70.0	68.3	65.7	62.5	58.0										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
		73.2	74.7	74.8	75.2	74.6	73.9	74.2	72.7	70.2	67.3	68.5	68.0	66.8	72.1	83.5
	65.7	64.1	61.4	57.6	52.8											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC						
						68.8	67.5	66.3	64.7	62.6	60.6	60.7	61.1	60.0	64.5	74.8
	58.9	56.2	52.1													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	62.8	65.2	65.8			68.5	70.3	69.3	68.3	65.5	63.1	61.0	60.8	61.3	60.0	64.6	76.2
	58.0	56.2	51.2													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-358

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 358
DATE 17 DEC 80

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.0	105.1	108.3	111.2	115.0	118.0	121.1	123.9	125.2	124.8	122.4	120.8	123.2	122.4	128.7	133.6
	121.3	119.5	118.9	117.8	116.1	113.7	112.4	113.4	111.9	110.6	111.1	105.4	107.0			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	98.8	104.5	107.8	110.7	114.8	116.6	120.4	123.6	125.7	125.4	121.9	119.2	121.0	119.2	123.5	132.2
	115.0	111.1	106.5	101.6	102.3	101.9	100.6	101.7	100.8	98.4	98.9	95.2	96.4			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.1	105.7	108.8	111.7	115.3	119.0	121.8	124.1	124.7	124.2	122.8	122.0	124.6	124.2	131.0	134.7
	123.7	122.2	121.8	120.8	119.0	116.6	115.3	116.2	114.7	113.5	113.9	108.1	109.8			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	90.6	97.2	100.7	102.8	105.8	110.8	113.1	114.5	114.8	111.9	107.3	103.5	100.2	96.0	108.1	120.9
	94.1	93.2	92.1	91.2	90.0	89.2	87.2	85.8	83.9	82.9						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	85.8	92.1	95.7	97.2	99.1	103.8	105.0	105.4	104.0	99.5	93.8	87.6	82.3	82.5	96.4	111.7
	80.9	81.0	80.0	78.7	77.4	76.2										
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	78.5	83.8	87.8	88.2	89.1	92.4	92.5	91.4	87.4	80.5	75.5	72.7	73.3	73.7	83.4	99.1
	74.5	74.0	72.7	71.1	68.9	66.7	62.4									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
								75.2			67.1	68.1	68.0		74.0	82.4
	67.5	67.1	65.5		59.5	55.1										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
								71.2	71.0	66.9	63.9	65.4	65.9	65.3	70.1	76.3
	64.4	63.1	60.3	57.1	52.0	46.1										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC						
						70.9	65.6	66.5	66.6	63.2	58.8	56.4	59.1	60.8	61.0	64.9	74.3
	59.6	58.2	54.6													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC						
						72.1	67.0		68.7	64.0	61.0	57.9	59.2	59.9	59.6	64.5	75.4
	59.0	57.7	54.0	49.9												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-359

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 359
DATE 17 DEC 80

MICROPHONE:
ARRAY D5

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.8	105.2	109.1	111.4	115.4	118.3	121.3	123.9	125.7	125.0	122.3	120.8	123.1	122.3	128.8	133.8
	121.4	119.4	119.0	118.1	116.4	114.0	112.7	113.4	111.8	110.7	111.1					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.5	104.6	108.6	110.9	115.1	116.9	120.5	123.6	126.1	125.4	121.7	118.7	120.5	118.5	123.0	132.2
	114.2	110.4	106.3	100.7	100.6	99.6	97.6	98.3	96.9	94.8	95.5					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	100.1	105.8	109.6	111.9	115.7	119.4	122.0	124.2	125.1	124.5	122.9	122.2	124.7	124.3	131.2	134.9
	124.0	122.2	121.9	121.1	119.4	116.9	115.6	116.4	114.7	113.6	114.1	108.4	110.2			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	91.6	97.9	102.0	103.5	106.7	111.7	114.0	115.3	115.9	112.6	108.0	104.8	101.8	98.1	109.2	121.8
	96.2	95.0	93.9	93.0	91.4	90.3	88.0	86.4	83.5	82.2						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	87.2	93.4	97.8	99.0	101.7	106.5	108.0	108.5	107.8	102.9	97.3	92.3	87.9	87.1	100.1	114.8
	85.4	85.2	84.6	83.7	81.9	80.4	76.8									
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	80.5	86.4	90.9	91.3	93.2	96.2	96.2	95.0	91.5	85.4	79.8	76.1	76.2	76.8	86.9	102.8
	77.4	76.5	75.8	74.2	72.1	70.0	66.2	61.8								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC						
		78.1	81.7	80.3	81.0	84.2	83.2	80.1	77.1	71.0	68.0	69.6	70.2	70.1	76.6	90.1
	69.5	69.4	67.8	64.8	62.1	57.8										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
			76.0	75.3		76.1	75.0	74.8	73.3	68.2	64.4	65.4	65.1	64.9	70.7	82.0
	64.3	63.5	60.7	57.7	52.6	47.2										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC						
						69.6		67.7	66.9	62.9	58.6	56.3	59.2	60.5	59.8	64.5	73.6
	59.0	57.2	54.7	50.1												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 26 SEC						
						71.8			68.8	64.3	60.4	57.7	60.0	61.2	60.3	64.9	75.7
	59.2	57.8	54.1	49.5	44.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-360

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 360
DATE 17 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.6	104.3	107.9	110.6	115.8	118.2	121.8	125.0	126.8	125.5	121.0	115.9	115.1	114.4		123.9	132.5
	113.5	113.0	113.0	112.5	110.9	109.6	109.1	109.5	106.7	104.5	103.9	99.0	99.4				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.4	104.1	107.8	110.6	116.1	117.7	122.0	126.0	128.4	127.5	123.2	118.2	115.9	110.2		123.0	133.6
	103.7	99.7	99.6	101.1	105.9	108.0	108.5	109.3	105.5	102.4	100.6	96.5	96.7				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.9	104.5	108.0	110.7	115.4	118.6	121.7	123.8	124.2	121.6	116.2	110.9	114.2	116.5		124.7	131.0
	116.3	115.9	115.9	115.4	113.2	110.8	109.7	109.7	107.6	105.8	105.8	100.6	101.1				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	95.3	99.3	102.5	104.7	109.6	113.6	117.7	120.1	119.7	115.5	106.6	99.2	101.8	102.4		116.2	125.6
	103.8	106.9	107.5	106.7	105.5	103.2	102.0	101.1	96.9	94.7	94.1	90.9	88.0				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	94.4	97.8	100.8	104.5	109.0	112.0	113.3	111.3	103.7	90.4	86.9	91.4	96.8			110.7	118.8
	99.8	102.8	104.2	103.2	100.6	98.2	94.3	93.7									
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	83.5	88.7	93.3	97.1	100.2	104.8	105.9	103.4	93.0	83.6	78.9	81.7	84.8	87.6		100.6	110.9
	91.0	93.6	93.5	91.6	91.5	88.5	83.4	78.4									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 22 SEC		
	75.1	81.7	86.7	89.0	92.0	95.5	95.1	91.6	82.0	72.1	66.1	68.3	70.5	72.3		83.2	100.6
	73.7	75.0	73.7	70.8	66.2	59.8											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	71.5	77.4	82.2	84.9	87.4	90.2	88.3	83.4	73.0		61.7	65.9	69.2	71.2		79.0	95.0
	73.2	73.6	70.6	64.6	55.9	47.2											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	70.0	76.7	81.4	83.2	85.8	87.2	84.1	78.5	72.8	63.9	62.2	64.6	68.4	70.1		75.7	92.3
	70.5	69.1	65.5	59.2	49.8	41.2											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	69.1	75.9	80.2	82.3	85.1	86.1	83.0	76.8	71.0	62.9	60.5	64.2	67.8	71.4		75.4	91.3
	70.2	69.4	65.1	58.2													
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	67.1	74.0	78.2	80.2	82.9	84.3	81.5	74.6	68.3	60.9	59.3	61.8	65.5	67.1		72.5	89.3
	67.1	66.1	61.7	55.5	44.9												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-361

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 361
DATE 17 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	98.1	104.2	108.2	110.4	115.7	118.0	121.7	124.8	126.9	125.4	120.7	116.4	115.0	114.0	123.8	132.4
	113.1	112.8	112.8	112.6	110.9	109.1	108.8	109.9	107.4	105.0	104.0	99.3	99.7			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	97.9	104.0	108.1	110.4	116.0	117.6	121.7	125.7	128.5	127.4	122.8	118.7	116.0	111.3	123.0	133.5
	104.6	100.2	100.0	99.8	104.5	106.6	108.0	110.3	107.6	104.3	101.4	97.6	97.0			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	98.3	104.4	108.3	110.5	115.3	118.4	121.6	123.6	124.5	121.7	116.2	111.7	113.5	115.6	124.5	131.0
	115.8	115.7	115.7	115.5	113.4	110.7	109.4	109.5	107.1	105.6	105.6	100.5	101.3			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	94.3	99.2	102.8	104.6	109.7	113.6	117.8	119.9	119.7	115.4	107.0	99.2	101.3	101.3	116.0	125.5
	102.1	105.1	106.2	106.6	107.2	104.0	100.3	101.4	97.3	95.5	94.7	91.4	88.4			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	86.4	93.8	97.9	100.4	104.6	109.1	112.0	113.2	111.5	104.0	91.7	89.0	92.7	97.3	110.7	118.9
	99.5	102.5	103.5	102.5	101.3	98.5	95.5	93.4	88.7	87.9						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	82.6	88.8	93.6	96.8	100.0	104.2	104.6	101.2	93.3	84.1	79.1	83.5	87.1	90.3	100.9	110.1
	92.6	93.9	93.9	93.0	90.5	87.3	83.6	79.4								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	74.0	81.5	86.4	89.0	92.4	95.1	95.0	91.6	83.6	75.1	68.8	71.6	73.6	75.9	85.0	100.6
	77.5	78.2	76.7	73.4	69.1	62.2										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	71.5	77.9	83.0	85.2	88.2	90.7	89.1	84.9	76.0	66.7	64.0	68.2	71.2	74.4	82.2	95.8
	76.9	77.4	74.6	68.9	60.1	50.4										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	70.8	77.6	82.5	84.6	87.3	88.4	85.1	80.5	75.9	69.1	66.7	69.1	73.7	76.8	80.9	93.9
	77.5	74.5	71.1	64.1	53.9	44.2										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	70.2	76.8	80.9	83.2	86.0	87.1	84.2	78.7	73.2	65.8	61.9	67.4	71.5	74.7	78.9	92.5
	74.2	73.8	69.0	61.2	50.4											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	67.8	74.5	78.9	81.3	84.3	85.3	82.5	76.5	70.8	63.6	61.1	65.0	70.4	72.4	76.5	90.6
	72.0	70.7	65.9	58.2	47.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-362

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 362
DATE 17 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	97.8	103.9	107.7	110.6	115.6	117.8	121.6	124.4	126.7	125.4	120.9	115.9	114.8	113.9		123.7	132.3
	113.2	113.0	113.0	112.5	110.6	109.2	108.9	109.5	106.4	104.5	103.7	98.8	99.4				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	97.5	103.7	107.6	110.6	115.9	117.4	121.8	125.4	128.3	127.4	123.1	118.2	115.7	110.1		122.8	133.4
	103.4	99.7	99.6	100.0	105.1	107.1	108.2	109.3	105.5	102.7	100.2	96.5	96.5				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.0	104.1	107.8	110.6	115.2	118.2	121.5	123.2	124.2	121.6	116.3	110.7	113.7	115.9		124.5	130.8
	115.9	115.9	115.9	115.4	113.0	110.7	109.4	109.6	107.2	105.7	105.7	100.3	101.1				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	94.3	98.9	102.5	104.9	109.7	113.7	118.0	119.8	119.6	115.4	106.4	98.8	101.2	100.9		115.3	125.4
	102.2	105.4	106.1	105.6	104.8	101.2	100.1	100.1	95.7	93.8	93.1	89.6	86.6				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	90.0	94.7	98.1	101.4	105.2	109.8	112.9	113.7	111.6	102.8	88.1	86.7	92.2	96.5		110.0	119.2
	98.8	102.2	103.9	102.0	97.8	97.6	94.6										
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	83.4	88.7	93.7	98.2	100.9	105.2	104.9	99.0	91.6	82.3	78.2	82.3	86.8	91.6		102.0	110.6
	95.5	97.8	95.5	91.0	88.6	85.7	81.0	77.4									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	75.2	83.2	88.3	91.6	94.5	96.2	94.2	86.7	84.4	75.0	67.4	69.3	73.1	76.1		84.9	101.2
	77.4	78.4	77.4	74.2	68.8	61.7											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	70.9	79.0	84.1	87.1	88.8	89.7	84.9	84.2	78.7	69.6	65.0	68.1	71.5	73.8		80.7	95.3
	74.1	76.0	73.1	67.8	60.7	51.0											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	69.6	77.4	82.3	84.7	86.3	86.0	80.9	78.5	78.8	70.4	64.4	65.4	67.6	69.6		76.1	92.3
	70.0	69.9	66.9	61.8	53.9	49.2											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	69.0	76.2	81.1	83.5	85.3	85.3	81.1	74.9	75.6	66.4	59.8	63.7	67.1	70.8		75.8	91.2
	71.1	69.9	66.8	60.6													
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 32 SEC		
	67.6	74.3	79.0	81.4	83.1	83.4	79.7	72.3	71.8	64.0	58.9	61.5	65.1	66.1		73.1	89.2
	68.4	67.7	64.2	57.5	47.6												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-363

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 363
DATE 17 DEC 80

MICROPHONE:
ARRAY 0E

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	98.2	104.4	107.7	110.7	115.2	118.0	121.1	124.2	126.1	124.1	119.8	116.5	114.9	113.2	112.4	111.7	111.4	111.8	111.0	109.2	107.6	108.9	107.0	104.8	104.2	99.1	99.8	123.1	131.7
S	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	98.0	104.1	107.6	110.6	115.5	117.5	121.1	125.0	127.5	125.9	121.6	118.4	116.4	110.9	104.3	98.5	96.3	95.3	99.9	102.5	104.8	108.1	105.9	102.9	100.2	95.7	95.4	121.8	132.6
T	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 29 SEC	
	98.3	104.6	107.8	110.7	114.9	118.4	121.2	123.2	124.0	121.1	116.3	113.0	112.7	114.6	115.0	114.6	114.3	114.7	113.8	111.7	109.3	109.5	107.8	106.1	106.2	101.0	102.0	124.1	130.6
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	94.2	99.0	102.1	104.4	108.9	112.9	116.9	119.0	118.7	114.0	105.9	98.0	99.2	98.5	99.2	101.8	102.1	102.1	102.6	100.2	97.5	97.3	93.6	91.2	90.2	86.9	83.8	113.1	124.4
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	88.4	95.2	98.9	102.3	105.6	110.7	113.2	114.1	111.9	103.2	90.5	90.1	92.6	97.0	98.6	100.6	100.7	99.5	98.6	96.1	93.3							108.7	119.5
C	DIST FROM SOURCE: 423 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	83.6	90.0	94.5	98.4	100.5	105.0	103.8	97.9	92.0	82.7	80.2	87.1	91.2	94.6	96.3	97.2	96.4	93.0	90.0	88.0	83.4	79.8						102.8	110.4
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 29 SEC	
	76.6	84.6	89.4	92.8	95.4	97.2	94.0	87.7	83.5	75.8	70.8	75.6	77.3	82.2	83.5	82.3	79.5	74.5	68.1	62.3								87.9	102.0
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	73.0	81.5	86.2	89.1	89.7	89.8	84.2	85.2	79.2	69.0	66.3	72.0	74.9	75.7	77.1	76.3	73.3	67.5	59.6	50.6								81.9	96.2
G	DIST FROM SOURCE: 2079 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	74.4	81.8	85.6	87.4	87.9	85.4	79.2	78.7	77.1	69.0	67.8	71.0	74.4	76.4	76.6	74.2	69.1											80.1	93.9
H	DIST FROM SOURCE: 2273 METERS																											OVERALL SAMPLE DURATION: 29 SEC	
	72.5	81.0	84.5	86.7	87.0	85.1	79.8	76.7	75.0	67.9	66.8	70.2	72.0	75.4	74.1	72.8	69.4											78.7	93.0
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	70.7	79.4	82.4	84.4	85.1	83.2	79.0	74.1	72.3	66.4	67.4	70.5	70.6	72.6	74.4	71.4	67.0											77.4	91.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-106-364

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 364
DATE 17 DEC 80

MICROPHONE: ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC																
	98.1	104.5	108.2	110.5	115.7	117.9	121.8	124.6	126.7	125.4	120.7	115.8	114.6	114.1		123.6	132.3
	113.6	113.0	112.7	112.3	110.3	108.9	108.7	109.1	105.7	103.7	102.7	97.8	98.3				
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC																
	97.9	104.2	108.0	110.4	116.0	117.5	121.9	125.6	128.3	127.4	122.9	118.1	115.4	110.0		122.9	133.4
	104.0	100.2	99.8	100.5	105.5	107.8	108.9	109.7	105.5	103.1	100.7	96.9	97.1				
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC																
	98.4	104.7	108.3	110.5	115.3	118.3	121.7	123.4	124.2	121.6	116.1	110.6	113.7	116.2		124.3	130.9
	116.4	115.9	115.6	115.1	112.5	109.8	108.6	108.4	106.0	104.3	104.1	98.5	99.2				
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC																
	94.1	99.2	102.6	104.4	109.2	113.3	117.7	119.6	119.2	114.9	105.7	98.6	101.3	101.2		115.3	125.1
	102.2	105.4	106.3	106.2	105.2	100.9	100.7	100.2	96.0	93.9	93.2	89.9	87.0				
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC																
	88.8	94.6	98.5	100.9	105.1	109.6	113.0	113.6	111.2	102.6	88.6	87.6	91.6	97.2		111.3	119.3
	100.9	104.2	105.5	103.2	100.3	97.3	94.3	92.6	90.3	86.8							
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 34 SEC																
	84.0	90.1	95.0	98.4	101.4	105.8	106.0	101.2	92.3	83.2	79.1	84.6	90.0	94.6		104.2	111.7
	97.6	99.2	98.2	94.4	90.9	88.2	85.1	80.5	77.4								
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC																
	75.6	84.3	89.7	92.6	95.9	97.6	95.9	88.8	84.0	75.9	70.6	77.9	82.3	84.4		90.7	102.9
	86.2	85.5	83.1	77.1	71.8	67.5											
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC																
	71.9	80.4	85.6	87.7	89.2	88.7	85.1	86.8	82.2	71.6	67.3	74.0	76.1	78.0		83.5	96.0
	78.3	78.1	75.2	69.6	61.8	51.9											
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 34 SEC																
	71.5	79.4	84.5	85.6	87.1	85.7	82.2	82.2	81.1	73.8	68.8	70.8	73.8	78.7		82.1	93.7
	78.2	76.3	72.0	67.3	56.1												
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 34 SEC																
	70.6	78.3	83.3	84.5	86.0	85.2	82.6	79.5	77.4	69.1	65.5	71.3	74.9	78.7		81.2	92.7
	77.3	75.3	69.8														
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC																
	67.2	76.2	80.8	82.2	84.0	83.6	81.8	77.1	73.9	67.1	64.6	68.5	71.0	72.8		76.8	90.5
	72.7	70.4	65.8	60.3	50.2												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-365

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 365
DATE 17 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	98.5	104.6	108.4	110.5	115.6	117.7	121.4	124.4	125.9	124.7	120.0	115.9	114.1	112.9	123.0	131.8
	112.4	111.8	111.9	111.8	110.4	108.5	107.5	108.8	105.9	103.4	102.7	97.9	98.1			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	98.3	104.3	108.2	110.4	115.9	117.2	121.5	125.2	127.3	126.6	122.0	118.0	115.4	110.0	122.0	132.7
	103.6	98.8	98.0	98.7	103.1	105.1	106.5	108.8	105.2	101.3	99.1	95.9	95.3			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	98.8	104.9	108.6	110.6	115.3	118.2	121.4	123.4	123.7	121.3	116.0	111.7	112.3	114.6	123.8	130.5
	115.1	114.7	114.8	114.7	113.0	110.3	108.3	108.9	106.4	104.8	104.6	99.2	99.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	94.2	98.9	102.9	104.6	109.1	113.1	117.2	119.5	118.4	114.3	105.5	98.7	101.1	102.1	116.0	124.9
	104.4	107.3	107.5	106.4	105.8	103.0	101.6	100.9	97.3	94.9	94.1	90.7	87.5			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	88.5	93.9	98.3	101.2	105.0	109.3	112.0	112.9	109.1	99.6	87.7	88.4	93.7	99.4	110.5	118.4
	102.3	104.6	104.0	100.3	99.1	97.2	93.0	90.7	86.8							
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	83.5	89.1	94.0	97.5	100.2	104.3	103.8	99.0	88.8	80.9	77.4	82.1	86.6	90.2	100.5	109.6
	92.9	94.2	94.1	92.4	89.6	85.4	80.8	75.8								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	75.3	82.3	87.5	90.4	93.7	96.1	94.2	88.7	79.6	69.9	63.6	69.0	74.1	79.6	86.0	100.9
	80.8	80.9	77.5	72.0	65.0	58.1										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	72.3	79.2	84.2	86.6	88.5	89.6	85.0	82.7	74.4	65.9	62.4	68.0	71.3	72.9	78.8	94.9
	73.2	72.9	69.8	64.3	56.0	47.5										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	71.6	78.5	83.5	84.9	86.5	85.9	79.9	78.3	75.6	67.7	63.6	64.1	68.5	70.1	76.6	92.3
	72.9	71.1	66.5	59.2	49.1											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	70.8	77.8	82.4	84.0	85.6	85.2	79.9	75.2	73.1	64.3	59.8	63.6	67.6	69.9	74.4	91.4
	69.3	68.2	63.8	56.8												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	68.5	76.1	80.7	82.4	83.9	84.0	79.2	72.3	68.9	61.6	58.5	63.6	68.4	69.1	73.5	89.9
	69.2	67.2	62.1	54.2	44.2											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-366

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 366
DATE 17 DEC 80

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	98.5	105.3	108.5	110.9	115.4	118.1	121.5	124.5	126.5	124.7	120.2	115.7	114.0	112.8		123.0	132.0
	112.6	111.8	111.6	111.4	110.1	108.7	108.2	109.1	105.7	102.9	102.6	97.6	98.1				
S	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	98.2	105.0	108.3	110.8	115.8	117.7	121.6	125.4	128.0	126.6	122.4	118.0	115.1	109.1		122.4	133.1
	102.8	99.4	99.5	100.9	105.6	107.5	108.4	109.7	105.3	100.9	100.0	96.2	96.3				
T	DIST FROM SOURCE: 75 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	98.8	105.6	108.6	110.9	115.0	118.5	121.4	123.4	124.0	120.9	115.7	110.7	112.5	114.8		123.5	130.5
	115.4	114.7	114.4	114.2	112.2	109.6	108.0	108.3	106.1	104.3	104.2	98.7	99.4				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	99.9	102.7	104.9	109.3	113.6	117.3	119.7	119.0	114.1	105.1	99.0	102.0	103.0			115.1	125.0
	104.5	106.8	106.2	104.6	103.5	101.7	100.0	98.6	95.1	92.7	92.0	88.5	85.5				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	89.4	94.9	98.1	100.8	104.5	109.4	111.9	112.9	110.2	101.4	88.7	86.5	90.8	96.3		108.3	118.2
	99.2	101.4	101.1	99.0	97.6	95.8	93.4										
C	DIST FROM SOURCE: 423 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	83.3	89.7	94.1	97.7	100.2	104.9	103.9	99.8	92.3	83.2	78.2	82.0	84.6	87.6		99.3	109.8
	90.5	92.6	92.7	91.4	88.8	84.9	80.8	76.5									
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	74.8	82.4	86.8	89.6	92.9	96.4	95.3	90.3	81.3	70.2	65.2	68.5	72.6	77.6		85.7	101.1
	80.1	79.7	77.2	73.3	67.0	59.2											
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	72.0	79.5	83.9	86.6	88.5	90.7	87.0	84.0	75.9	64.3	61.1	66.1	70.3	75.2		80.9	95.6
	76.8	75.9	70.8	64.1	55.4	47.1											
G	DIST FROM SOURCE: 2079 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	72.9	79.5	83.7	84.9	86.9	86.5	81.6	78.5	74.9	65.9	61.2	64.5	70.5	73.4		77.2	92.8
	73.5	70.5	65.5	57.5	46.9												
H	DIST FROM SOURCE: 2273 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	70.6	78.4	82.2	83.9	85.6	85.3	81.0	76.3	72.3	62.2	58.7	63.2	68.2	71.7		75.6	91.6
	72.2	68.6	64.2	56.0													
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 33 SEC					
	68.7	76.4	79.7	81.5	83.2	83.3	80.2	74.5	69.7	60.9	57.3	61.0	65.4	66.4		71.8	89.4
	67.3	64.3	60.9	53.6													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-367

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 367
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	102.7	107.8	112.0	113.6	117.8	118.5	121.0	121.7	122.0	120.3	117.1	117.3	118.8	117.2	116.2	116.5	116.2	114.6	112.0	110.2	108.7	108.4	108.5	107.0	108.0	103.7	105.3	124.9	130.7
S	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	103.3	108.2	112.7	114.5	119.1	119.1	121.9	122.2	121.8	118.3	110.2	103.2	105.2	103.8	104.7	105.0	104.4	102.8	103.5	103.6	103.1	104.4	106.6	105.3	107.8	104.4	104.8	118.1	129.1
T	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	102.0	107.4	111.2	112.4	116.0	117.8	119.9	121.2	122.2	121.6	119.7	120.2	121.8	120.1	119.1	119.3	119.1	117.5	114.7	112.7	111.0	110.4	109.8	108.2	108.2	102.9	105.8	127.4	131.9
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 36 SEC	
	95.5	101.8	105.2	105.8	107.3	108.8	105.8	101.8	101.1	100.1	99.8	103.7	105.7	105.3	105.9	107.2	107.7	107.4	105.9	104.2	101.0	99.7	100.3	98.4	97.4	95.6	93.4	115.7	118.6
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	93.1	99.3	102.8	101.5	98.4	97.0	91.3	88.6	88.2	88.9	89.5	93.6	96.3	96.6	97.0	98.5	99.6	99.4	99.1	98.1	95.3	91.7	89.9	89.5	86.1	84.9	82.4	107.8	110.9
C	DIST FROM SOURCE: 431 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	88.6	95.1	98.5	95.6	87.5	79.7	78.7	76.1	74.6	76.3	78.2	82.7	85.2	84.2	87.2	89.5	91.4	92.0	91.7	88.7	82.1	80.2	77.6	72.7	70.0	67.7		99.0	103.7
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	83.8	89.5	93.4	89.6	82.7	72.2	67.4	64.5	65.0	67.3	70.5	76.5	79.4	79.4	78.6	81.1	81.8	80.5	77.0	70.6	64.6							87.8	97.2
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	79.3	84.5	86.8	81.8	76.9	69.2	63.8	59.9	61.3	63.0	65.2	70.1	75.3	76.4	76.9	76.3	74.2	69.2	63.1									81.4	91.0
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	76.0	79.1	78.9	75.9	72.1	63.6	58.6	56.7	57.0	59.2	60.4	66.0	67.5	69.0	70.1	71.0	67.9	61.1	52.3	49.9								75.0	84.1
G	DIST FROM SOURCE: 2087 METERS																											OVERALL SAMPLE DURATION: 36 SEC	
			75.2	75.0	71.7	68.3						56.2	59.0	60.3	62.6	64.2	65.0	66.3	65.9	61.7	56.1							70.3	79.7
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
			75.1	73.0	70.6		61.7	58.3	56.0	57.6	59.8	60.2	64.6	67.8	68.7	68.0	67.2	62.8	50.9	42.4								72.3	78.5

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 368
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-368

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500				
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K					
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC								
	103.1	108.7	111.6	113.9	118.0	118.7	121.1	121.8	122.5	120.2	117.1	117.3	118.7	117.3			124.5	130.7
	116.0	116.1	115.6	114.0	111.4	109.7	108.2	108.0	108.0	106.5	107.6	103.2	104.5					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC								
	103.6	109.0	112.3	114.8	119.2	119.3	121.9	122.2	122.3	118.1	109.9	103.0	105.2	104.0			118.0	129.2
	104.3	104.6	104.0	102.5	103.2	103.3	102.8	104.1	106.4	105.4	107.8	104.1	104.1					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC								
	102.5	108.4	110.9	112.8	116.3	118.1	120.1	121.2	122.6	121.7	119.6	120.3	121.6	120.2			127.0	131.8
	118.9	118.9	118.5	116.8	114.1	112.1	110.6	110.0	109.2	107.5	107.4	102.0	104.9					
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 37 SEC								
	95.8	102.6	104.9	106.3	107.8	109.3	106.1	101.6	101.4	99.7	99.2	102.3	103.9	103.2			113.8	117.7
	103.5	104.9	105.4	105.3	104.3	103.1	100.3	97.6	97.5	97.3	94.8	93.9	91.5					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 37 SEC								
	93.3	100.1	102.5	102.2	99.2	97.5	91.8	88.9	89.0	88.5	89.3	92.2	94.0	95.2			106.7	110.5
	95.8	97.3	98.5	98.7	98.5	96.9	91.6	88.6	90.0	87.2	85.4	83.0	80.4					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC								
	88.8	95.6	97.6	95.6	87.5	77.8	79.3	77.3	78.6	78.5	80.3	85.3	87.9	88.2			99.8	103.9
	89.5	90.8	92.6	92.7	91.6	88.6	83.0	78.9	76.4	75.7	71.9	70.3	68.5					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 38 SEC								
	83.9	90.4	92.8	89.6	82.2				66.4	67.6	69.2	70.3	75.8	76.2	78.2		88.9	97.2
	81.6	84.2	83.5	80.6	75.3	69.3	64.7											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 39 SEC								
	81.0	85.5	86.4	80.9	75.8				60.3	61.5	64.2	67.1	71.5	74.0	76.0		83.8	91.2
	78.2	79.8	78.2	72.5														
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 38 SEC								
	76.9	79.8	78.8	75.8	72.1	61.3	55.5	54.5	57.3	59.4	62.6	68.6	69.0	68.6			73.4	84.0
	69.0	68.4	63.5	57.5	47.6													
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 38 SEC								
	73.4	76.4	74.9	71.3						58.4	59.1	61.1	64.0	65.2			69.5	80.0
	67.0	65.8	58.6															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 369
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-369

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 102.6 108.2 111.8 113.5 118.1 119.0 121.6 121.9 122.4 120.3 117.5 117.6 119.0 117.4 116.2 116.2 115.9 114.2 111.6 110.0 108.6 108.5 108.4 107.2 108.1 103.8 105.0	124.8	130.9
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 103.1 108.5 112.4 114.3 119.3 119.5 122.4 122.3 122.2 118.2 110.3 103.4 105.3 103.7 104.5 104.9 104.5 103.2 104.0 104.2 103.8 105.2 107.0 106.1 108.3 104.8 104.7	118.4	129.4
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 102.0 107.9 111.2 112.4 116.5 118.4 120.6 121.4 122.6 121.7 120.1 120.5 121.9 120.3 119.0 119.0 118.7 117.0 114.2 112.4 110.8 110.3 109.5 108.0 107.8 102.5 105.3	127.3	132.0
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 95.3 102.1 105.0 105.7 107.7 109.3 106.5 101.4 100.4 99.0 99.0 102.4 104.4 103.8 104.1 105.2 105.6 105.6 104.6 103.2 100.3 98.7 98.6 97.0 96.0 94.1 91.7	114.2	117.8
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC 92.6 99.4 102.4 101.4 99.6 97.6 91.3 87.7 86.0 85.9 86.0 89.0 92.1 93.8 94.5 96.3 98.2 98.7 98.1 96.3 91.0 88.4 87.9 85.9 83.3 80.9 78.8	106.1	110.0
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC 87.9 94.8 97.6 95.0 88.8 80.1 79.1 74.3 72.4 72.7 73.8 76.9 78.2 80.2 84.7 85.7 87.4 88.7 87.6 81.7 76.6 75.6 68.9 67.2	94.8	102.2
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC 83.1 89.5 92.4 88.2 80.9 71.6 68.6 62.5 64.2 64.4 65.5 70.2 70.8 72.6 74.5 78.1 77.9 73.3 69.4 64.8	82.8	95.9
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 79.3 85.2 86.6 80.1 74.8 68.4 59.8 60.1 63.0 64.3 68.8 71.7 71.2 71.0 73.6 71.6 66.6 59.4	77.9	90.4
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 79.9 78.8 76.2 72.4 64.0 56.2 54.4 54.9 56.8 59.6 63.8 64.0 64.1 64.2 63.7 59.2 54.9 45.1	68.8	82.5
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC 75.3 52.9 53.4 55.3 57.3 59.7 60.6 60.3 59.8 56.4	63.6	77.4
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC 72.5 73.7 73.4 69.4 68.5 57.9 57.5 59.6 59.9 59.0 56.1 54.5 48.0 42.7	62.0	78.5

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-370

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 370
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.7	108.3	111.6	114.2	117.6	118.5	121.1	122.0	122.2	120.5	117.6	117.6	119.0	117.2	124.7	130.8
	116.2	116.3	115.8	113.9	111.5	109.7	108.4	108.0	107.8	106.5	107.7	103.2	104.6			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	103.1	108.5	112.2	115.0	118.8	119.0	121.9	122.3	122.0	118.3	110.2	103.0	105.2	103.6	117.9	129.1
	104.4	104.6	104.2	102.5	103.4	103.3	103.0	104.2	106.0	105.2	107.8	104.1	104.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.3	108.0	110.9	113.1	116.0	117.9	120.1	121.6	122.5	121.9	120.2	120.5	121.9	120.1	127.2	132.0
	119.1	119.1	118.7	116.8	114.2	112.2	110.7	110.0	109.1	107.5	107.6	102.1	105.0			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	95.9	102.1	105.0	106.5	107.4	108.9	106.0	101.8	101.1	100.3	100.2	103.3	105.2	104.4	114.6	118.1
	104.7	105.6	106.2	105.9	104.9	103.7	101.2	98.8	98.2	97.5	95.8	94.5	92.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	93.2	99.7	102.7	102.5	99.3	97.0	91.9	88.8	88.0	87.9	90.4	93.5	96.1	95.8	106.6	110.6
	96.3	97.5	98.3	97.9	97.7	96.9	93.8	88.9	88.6	89.2	85.5	84.2	81.6			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	88.4	94.9	97.6	95.9	88.7	75.8		75.2	75.7	75.8	78.2	85.9	89.3	90.6	102.2	105.2
	94.0	96.6	97.4	94.0	87.3	84.9	83.8	79.0	75.8	74.3	71.5	71.5				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	82.6	89.2	92.2	89.1	80.8			63.8	63.9	65.2	66.6	69.3	74.1	77.4	89.2	96.6
	81.3	85.8	84.3	78.2	74.7	70.1										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	78.5	84.3	85.1	79.4	73.9			62.8	60.2	62.0	64.2	67.8	70.0	72.6	81.8	89.9
	76.0	79.4	75.3	66.6	56.7											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	74.6	78.5	76.5	74.3	69.3	59.4	56.4	54.1	56.0	57.5	59.7	65.4	67.8	70.1	72.5	83.4
	70.0	63.9	60.5	54.7	47.5											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	71.7	75.0	72.7	69.4	63.9			53.1	53.8	55.5	57.3	60.5	63.0	63.4	66.3	79.3
	62.1	59.9	54.5													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	73.5	74.6	71.7	68.8						58.1	57.6	59.8	61.8	59.7	63.1	78.4
	57.3	55.7	49.7	41.3												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-371

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 371
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	102.6	108.7	111.9	113.8	117.9	118.6	121.3	121.9	122.2	120.2	117.7	117.4	118.9	117.5	124.7	130.8
	116.3	116.2	115.7	114.0	111.5	109.8	108.6	108.1	107.8	106.6	107.6	103.3	105.0			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	103.0	109.0	112.6	114.7	119.1	119.1	122.1	122.3	122.0	118.0	110.3	103.2	105.1	103.9	117.9	129.2
	104.6	104.7	104.3	102.5	103.3	103.4	102.9	104.1	105.8	105.0	107.8	104.2	104.7			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.3	108.4	111.2	112.7	116.2	118.0	120.2	121.5	122.4	121.6	120.3	120.3	121.8	120.4	127.2	131.9
	119.1	119.0	118.6	116.9	114.2	112.3	110.9	110.2	109.2	107.8	107.5	102.2	105.2			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	95.6	102.5	105.1	106.0	107.6	109.0	106.3	101.8	101.0	99.9	100.4	103.9	106.1	105.3	115.0	118.3
	105.2	106.1	106.5	106.3	105.2	103.8	101.0	98.7	99.2	97.8	96.5	94.7	92.8			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	92.5	99.7	102.5	102.0	99.7	97.3	91.0	86.8	85.9	84.6	87.0	91.9	95.5	97.0	108.3	111.2
	98.0	100.0	100.9	100.4	99.7	97.6	93.3	90.8	89.8	89.4	85.7	84.1	81.4			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	87.3	94.1	96.4	93.9	87.0	78.5	78.1	74.1	70.8	71.4	72.7	79.1	82.0	83.9	98.0	102.4
	88.2	91.0	92.5	91.2	88.2	82.1	79.1	81.1	73.7	74.8	71.0					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	82.7	89.7	92.1	88.1	79.8				64.4	62.8	63.4	66.2	68.8	73.9	75.1	83.9	95.8
	75.6	78.1	79.4	76.0	67.8	62.6										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	78.3	84.5	85.7	78.9					58.4	59.7	61.1	65.1	68.9	70.8	78.4	89.4
	74.0	75.3	70.0	66.4												
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	74.1	79.0	77.5	73.5	67.5	58.3	54.9	55.2	53.8	56.6	58.9	63.0	63.9	64.8	68.8	82.7
	65.4	62.6	58.4	52.1												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC						
		76.0	73.7	68.9	63.9				53.9	54.0	56.4	59.1	60.0	59.7	62.3	77.7
	57.9	54.8														
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	72.8	74.7	72.1	68.2							58.4	59.9	60.5	59.1	62.2	78.2
	56.9	53.4	48.0	40.5												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: ONEGA 12.2 TEST AA-105-372

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 372
DATE 08 JAN 81

MICROPHONE: ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	102.4	108.4	111.5	113.6	117.9	118.3	121.2	121.5	122.1	120.3	117.6	117.3	119.0	117.4		124.8	130.7
	116.3	116.3	115.9	114.4	112.0	110.1	108.7	108.4	108.0	106.8	107.7	103.4	105.0				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	102.6	108.7	112.2	114.4	119.1	118.9	122.1	121.9	122.0	118.2	110.1	103.1	105.4	103.7		117.6	129.1
	104.5	104.4	103.8	102.3	102.8	102.9	102.5	103.7	105.2	104.7	107.1	103.9	104.1				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	102.2	108.0	110.8	112.4	116.1	117.7	120.2	121.1	122.3	121.7	120.2	120.3	121.9	120.3		127.4	131.9
	119.2	119.1	118.8	117.3	114.7	112.7	111.1	110.6	109.6	108.1	108.2	102.8	105.7				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	95.7	102.2	104.7	105.9	107.9	109.0	106.6	101.7	101.0	99.9	100.7	103.4	105.4	104.6		114.8	118.2
	104.8	105.7	106.2	105.9	104.8	103.8	101.9	100.2	98.4	98.2	97.6	95.7	93.8				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	92.6	99.6	102.1	101.7	99.8	97.2	92.1	88.4	88.1	86.9	88.8	93.3	95.6	95.5		105.8	110.1
	95.0	95.5	96.4	96.2	96.6	96.6	94.8	90.7	87.6	89.3	86.3	83.9	81.7				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	87.8	94.9	97.1	94.6	88.4	79.1	79.4	76.2	75.1	75.3	77.2	80.7	84.9	84.7		95.5	102.2
	86.8	87.2	88.1	87.8	87.6	83.9	76.9	75.7	72.0	68.6	67.3						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC							
		89.2	91.9	88.2								70.6	70.6	69.4		77.5	95.1
	68.2	70.1	70.1	69.7	68.7	63.2											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC							
												65.9	68.1	67.5			
	67.4																
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC							
		79.9			73.7	69.5				54.6	54.5	56.5	58.6	63.4	63.9	63.7	67.0	81.0
	63.0	59.8															
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC							
												56.2	56.5	59.4	61.5	60.2	
	59.2	55.5	53.2														
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	72.9	74.8	72.7	67.4								58.0	61.0	62.3	60.8	63.6	78.6
	58.4	54.4	50.4	41.6													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-373

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 373
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 102.4 108.2 111.6 113.7 117.7 118.4 121.2 121.8 122.1 120.3 117.9 117.2 119.0 117.7 116.3 116.4 116.2 114.7 112.2 110.2 108.5 108.2 107.7 106.7 107.6 103.1 104.6	124.9	130.8
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 102.7 108.5 112.2 114.6 118.9 119.0 122.0 122.2 121.9 118.2 110.5 103.1 105.2 103.9 104.3 104.3 103.9 102.3 102.8 102.9 102.4 103.8 105.2 104.8 107.3 103.7 103.7	117.7	129.1
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 102.2 107.9 110.9 112.7 116.0 117.8 120.1 121.4 122.3 121.7 120.5 120.1 121.9 120.6 119.2 119.3 119.0 117.6 114.9 112.8 111.0 110.3 109.3 108.0 107.9 102.5 105.3	127.5	132.0
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 95.3 101.7 104.5 105.9 107.6 108.9 106.4 101.7 101.3 100.7 101.0 104.1 106.9 106.7 106.4 106.8 107.0 106.7 105.4 103.7 101.5 100.2 99.4 98.3 97.6 95.7 93.5	115.5	118.7
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC 92.2 99.1 101.9 101.6 99.2 96.9 90.9 87.2 86.9 86.9 89.3 93.0 96.5 97.5 98.7 101.3 102.9 102.5 100.7 96.9 94.1 93.9 90.9 90.5 87.6 85.4 82.6	109.7	111.8
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC 87.5 94.5 97.1 95.2 88.4 78.8 78.1 73.6 70.9 73.3 76.0 79.3 83.1 83.2 88.7 92.2 94.2 93.2 88.4 81.0 78.7 79.1 71.2 70.7 68.3	99.2	103.3
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC 88.5 91.6 88.2 71.4 70.6 73.1 79.5 82.9 80.5 72.0 66.6	86.5	95.2
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 36 SEC 77.7 77.0 73.2 68.9 60.7 54.2 53.9 56.6 58.1 61.3 62.2 61.0 51.6	63.0	81.5
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 35 SEC 73.8 68.5 53.8 54.3 55.6 58.7 60.0 58.4 55.9 54.7	61.5	76.5
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC 73.1 74.3 71.9 66.9 57.5 59.8 60.5 58.8 55.8 52.1 46.0 39.9	61.5	77.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-374

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 374
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500		
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	102.4 108.4 111.5 113.8 117.5 118.7 121.6 121.8 122.3 120.3 118.1 117.6 119.3 117.8	125.1	131.0
	116.5 116.4 116.2 114.8 112.5 110.7 109.2 108.8 108.1 107.1 107.9 103.3 105.1		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	102.6 108.7 112.1 114.7 118.7 119.3 122.4 122.3 122.2 118.2 110.6 103.4 105.4 104.1	117.6	129.3
	104.5 104.3 103.6 101.9 102.8 102.9 102.3 103.7 104.7 104.4 106.7 103.3 103.3		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	102.2 108.2 110.8 112.7 115.9 118.1 120.5 121.3 122.4 121.8 120.7 120.5 122.2 120.7	127.7	132.2
	119.4 119.3 119.0 117.7 115.2 113.3 111.7 111.1 110.0 108.7 108.8 103.3 106.3		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC		
	95.3 101.9 104.2 105.5 106.8 108.6 106.3 101.2 99.8 98.2 98.1 101.6 104.2 103.9	113.9	117.4
	103.9 104.9 105.6 105.7 104.5 102.6 98.8 98.0 98.4 96.6 95.5 93.6 91.7		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC		
	92.3 99.2 101.9 101.8 99.3 97.5 91.7 86.8 85.0 84.2 84.9 89.6 94.6 95.6	106.8	110.3
	96.1 97.7 99.1 99.4 98.7 95.6 90.7 90.3 88.4 86.6 83.7 81.5 79.3		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC		
	87.4 94.4 96.8 94.8 88.1 72.9 73.2 73.9 78.3 81.1 82.0	97.0	102.3
	87.4 90.1 91.8 90.8 86.0 79.5 75.4 75.9 69.1 69.7		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC		
	88.4 91.1 87.3 69.6 69.8	83.3	94.4
	71.6 76.7 78.8 76.2 68.8 65.8		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC		
	78.5 74.0 68.3 54.5 53.6 55.0 57.3		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC		
	68.3 53.4 55.3 56.3 57.9		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC		
	73.0 74.9 72.5 68.1 57.3 59.3 59.6 58.2	61.2	78.0
	55.6 52.6 45.5 39.7		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-375

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 375
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.3	108.3	111.8	114.0	117.9	118.9	121.1	121.8	122.2	120.4	117.7	117.3	119.1	117.8	125.0	130.9
	116.4	116.5	116.0	114.5	112.1	110.3	108.9	108.4	108.0	107.1	107.9	103.6	105.2			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.5	108.7	112.5	114.9	119.1	119.4	121.9	122.3	122.0	118.4	110.2	103.4	105.3	104.1	118.0	129.2
	104.8	104.7	104.3	102.9	103.5	103.7	103.3	104.5	105.5	105.4	107.6	104.2	104.6			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	102.1	108.0	111.1	112.9	116.1	118.2	120.0	121.2	122.3	121.8	120.3	120.2	122.0	120.7	127.5	132.0
	119.3	119.3	118.9	117.4	114.8	112.8	111.2	110.5	109.5	108.3	108.2	102.9	105.8			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	95.2	102.1	104.7	106.0	107.5	109.1	106.2	101.6	100.6	99.9	100.0	103.0	104.9	104.2	114.7	118.0
	104.6	105.9	106.4	106.4	105.0	103.2	100.5	99.3	98.4	97.2	95.9	94.5	92.3			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	92.3	99.6	102.4	102.1	100.0	97.7	91.8	88.2	86.8	87.0	87.5	91.4	95.3	95.2	105.8	110.2
	95.0	96.5	97.8	97.6	97.1	95.7	92.3	88.2	88.2	87.7	84.3	82.5	80.3			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	87.7	94.9	97.3	95.1	88.2	81.0	80.7	77.0	74.8	75.8	78.6	83.0	86.1	85.0	95.8	102.5
	85.3	87.0	88.8	89.0	87.8	83.3	75.9	75.6	71.5	68.3						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	82.6	89.6	92.3	89.3	82.6	77.6	73.6	67.7	67.7	69.8	71.6	75.7	76.3	77.3	84.3	96.3
	76.5	78.9	78.6	74.2	69.9	68.9										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 36 SEC						
			77.2	73.2	68.5	59.9	56.4	53.8	54.2	56.7	58.1	62.6	63.6	63.9	68.8	79.3
	64.8	64.1	58.5		52.1											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 37 SEC						
			74.8							55.3		58.1	59.1	59.4		
	58.2	57.7	56.1													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	73.6	74.8	73.1	67.9							57.8	59.2	59.7	58.2	61.0	78.3
	55.1	52.4	46.9	40.9												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-376

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 376
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	102.8	108.2	111.2	113.7	117.6	118.8	120.9	121.9	122.2	120.7	117.9	117.4	118.9	117.5		124.9	130.8
	116.1	116.2	115.9	114.5	112.1	110.4	109.0	108.7	108.1	107.2	108.0	103.5	105.1				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 38 SEC							
	103.0	108.5	111.8	114.5	118.8	119.3	121.7	122.3	122.0	118.4	110.2	102.7	104.6	103.3		117.5	129.1
	103.8	103.9	103.1	101.6	102.4	102.5	102.2	103.8	104.7	105.0	107.1	103.8	103.8				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	102.7	107.9	110.5	112.7	115.9	118.3	119.9	121.3	122.4	122.1	120.5	120.3	121.8	120.4		127.5	132.0
	119.0	119.0	118.8	117.4	114.9	113.0	111.5	111.0	110.0	108.6	108.7	103.2	106.1				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	95.6	101.7	104.1	105.6	106.8	108.8	105.9	101.4	100.4	99.3	99.1	101.9	104.2	103.7		114.2	117.6
	103.9	105.2	106.0	106.0	104.6	103.1	100.0	99.1	98.4	96.3	95.6	93.6	91.4				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	92.6	99.1	101.6	101.6	98.8	97.5	90.9	87.1	84.9	84.1	85.9	89.3	93.0	93.5		106.2	109.8
	94.5	97.1	99.0	99.1	97.8	94.9	91.4	89.4	86.5	86.3	84.1	81.8	79.3				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	88.8	95.1	97.3	95.2	87.7	79.6	79.1	75.2	73.6	74.6	75.6	80.5	84.6	85.9		98.0	103.1
	89.4	91.3	92.3	91.1	87.3	81.4	80.4	75.9	72.3	69.5	66.4	65.3					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	82.4	89.1	91.6	88.3	79.4				63.0	66.1	67.1	70.8	73.6	74.8		83.5	95.4
	76.5	79.2	77.9	73.7	68.9												
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	74.8									56.3	57.3	60.8	61.2	60.9			
	59.2	58.1															
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 37 SEC							
													58.9	57.4			
	56.5	55.7															
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	72.8	74.0	71.0	66.6						57.3	59.4	60.1	58.0			61.4	77.5
	56.0	53.8	46.6														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-377

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 377
DATE 08 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.6	108.3	111.2	113.6	117.8	118.5	121.1	121.8	122.2	120.2	117.7	117.3	119.1	117.6	124.8	130.8
	116.4	116.4	115.9	114.5	111.9	110.0	108.6	108.3	107.8	106.8	107.6	103.2	105.1			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.8	108.5	111.8	114.5	119.0	119.1	122.0	122.2	122.0	118.1	110.2	103.3	105.2	103.9	117.8	129.1
	104.6	104.6	104.0	102.5	103.2	103.3	102.9	104.1	105.0	105.0	107.2	103.9	104.8			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.4	108.0	110.5	112.6	116.1	117.9	120.0	121.3	122.4	121.7	120.3	120.2	122.0	120.5	127.4	132.0
	119.3	119.3	118.8	117.3	114.6	112.6	111.0	110.4	109.4	108.1	108.0	102.4	105.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	95.3	101.9	104.3	105.6	107.4	108.7	106.0	101.3	99.9	98.9	98.9	101.1	103.1	101.9	113.2	117.1
	102.2	103.9	104.7	104.7	103.7	102.6	100.3	99.1	96.8	95.8	95.8	93.5	91.5			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	92.3	99.1	101.5	101.2	99.3	97.3	91.3	87.6	85.3	84.4	86.3	90.2	93.6	94.3	104.8	109.4
	95.0	96.3	96.1	95.6	95.5	95.0	93.0	89.5	85.7	86.6	84.7	82.5	80.4			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	88.5	94.9	97.1	94.8	88.1	78.9	79.1	76.7	75.4	75.1	75.4	78.2	82.1	82.1	95.3	102.1
	83.6	86.0	87.7	88.3	88.0	84.3	79.7	77.3	72.9	69.3	68.2	67.3				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	82.2	88.9	91.3	87.8	80.5	71.3	76.0	61.3	63.3	64.8	66.4	70.5	75.3	78.6	88.3	95.9
	81.7	84.2	82.7	78.4	73.6	69.5	62.2	62.0	61.2							
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	73.1	77.7	76.2	72.5	69.4	60.1	54.1	52.2	52.6	54.6	56.9	60.1	60.9	59.4	64.3	81.9
	58.6	59.6	53.8	44.2												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	70.5	74.1	72.5	66.8	63.5				52.8	53.8	54.9	57.2	58.2	57.0	60.0	78.0
	54.4	52.6														
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	72.7	73.4	70.6	66.3									58.1	55.9		
	53.3	51.6	45.6													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-378

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 378
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	103.7	108.9	111.3	112.8	116.6	116.3	118.0	118.2	118.2	117.8	117.9	118.7	119.0	116.7	123.8	129.1
	115.5	115.3	114.8	113.2	110.7	108.7	106.8	106.4	105.4	105.4	106.5	101.6	104.2			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	103.8	109.1	111.8	113.6	117.7	116.7	118.9	118.6	117.7	114.8	109.4	102.9	104.2	103.8	115.7	126.4
	103.6	103.7	102.0	100.6	101.1	101.3	101.0	102.5	102.9	103.4	105.9	102.1	103.7			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	103.6	108.7	110.7	111.9	115.2	115.9	116.9	117.7	118.6	119.5	120.6	121.7	122.0	119.6	126.5	130.8
	118.3	118.2	117.7	116.1	113.5	111.3	109.2	108.4	107.0	106.7	106.9	101.0	104.7			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	96.7	102.6	104.5	105.2	106.1	106.5	103.0	97.9	96.5	96.4	99.8	103.8	104.9	103.6	114.5	117.2
	104.3	105.0	105.1	105.0	104.6	104.2	102.8	101.2	97.6	97.6	97.7	95.3	93.3			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	94.4	100.5	102.2	100.8	98.9	96.6	89.8	85.2	83.7	86.5	89.6	91.9	93.6	93.8	105.0	109.6
	94.3	94.4	94.7	94.1	94.2	94.2	94.0	94.1	92.6	92.6	89.7	86.9	83.7			
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	91.6	97.2	99.0	95.7	87.8	81.1	77.8	78.5	75.3	76.0	81.0	84.2	86.3	85.5	95.0	103.6
	86.0	86.0	85.9	84.6	83.7	83.2	83.0	83.1	81.2	80.2	77.2	74.2	71.8			
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	85.0	90.7	92.3	85.7	74.6	76.9	77.7	74.7	74.3	76.7	78.3	76.3	76.7	76.4	84.3	96.3
	75.4	76.5	75.6	73.9	73.4	72.4	70.7	69.4	65.9	60.7	61.7					
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	84.8	89.6	89.2	79.3	73.5	82.8	84.2	79.7	84.4	83.5	87.0	87.6	86.5	85.6	89.6	97.5
	83.7	82.1	77.3	71.4	66.4	60.9	58.2									
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	80.3	82.5	80.2	72.9	72.9	76.5	75.2	74.3	71.3	84.2	90.8	91.1	91.4	90.8	93.3	98.3
	86.8	84.5	78.6	71.4	66.6	60.8	56.3									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-379

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 379
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	103.2	108.6	111.0	113.1	116.3	116.2	118.0	117.8	118.0	117.5	117.7	118.6	118.4	116.5		123.6	128.9
	115.4	115.2	114.6	113.2	110.7	108.6	106.7	106.1	104.9	104.9	106.0	101.0	103.8				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	103.4	108.9	111.6	113.9	117.4	116.6	118.9	118.3	117.5	114.6	109.4	102.9	103.6	103.7		115.1	126.2
	103.6	103.4	101.7	100.1	100.6	100.6	100.0	101.4	101.8	102.2	104.9	101.0	102.7				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	103.1	108.4	110.4	112.1	114.9	115.7	116.8	117.3	118.4	119.3	120.3	121.5	121.4	119.4		126.3	130.5
	118.3	118.1	117.5	116.1	113.5	111.2	109.2	108.3	106.7	106.5	106.8	100.9	104.7				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	95.9	102.2	104.1	105.1	105.6	105.9	102.6	97.5	96.7	97.0	100.2	104.1	104.9	104.3		114.8	117.3
	105.2	106.0	106.1	106.0	105.2	104.3	102.0	99.3	96.6	98.6	97.1	95.1	93.4				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	93.6	99.9	101.7	100.7	98.2	95.2	87.8	86.0	84.3	85.6	89.4	94.0	95.2	94.9		106.0	109.7
	95.4	95.3	95.8	95.8	95.8	95.6	95.1	94.8	92.7	92.5	89.7	86.6	83.2				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	90.8	97.0	99.1	95.4	86.1	84.3	81.7	78.4	77.9	79.6	81.8	84.0	84.3	83.0		95.1	103.5
	85.2	86.4	86.2	85.0	83.8	83.8	83.3	83.2	80.9	81.2	79.3	77.1	72.3				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	84.3	90.0	91.7	85.6	75.7	73.3	74.4	74.0	72.4	74.7	75.8	74.2	75.1	72.9		80.3	95.4
	72.4	73.9	71.5	69.5	66.6	64.1	62.6	61.9	61.9	60.8							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	84.0	89.2	89.1	79.5	72.7	81.3	85.2	80.0	85.6	86.0	90.1	92.4	91.6	89.6		93.3	99.7
	87.2	83.5	78.5	73.1	68.0	62.7	59.6	56.9									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	79.3	82.0	79.7	72.0	73.4	77.3	70.3	71.2	76.3	83.4	87.8	88.7	87.4	87.3		90.6	95.7
	84.8	82.2	78.4	74.4	69.9	64.4	57.9	56.6									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-380

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 380
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	102.8	108.6	111.1	112.9	116.1	116.1	117.8	117.8	117.8	117.5	117.5	118.3	118.3	116.4		123.6	128.8
	115.4	115.2	114.7	113.2	110.9	108.7	107.0	106.3	105.2	105.1	106.1	101.2	104.0				
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	103.0	108.8	111.6	113.7	117.1	116.5	118.7	118.2	117.4	114.6	109.1	102.5	103.4	103.4		115.2	126.1
	103.4	103.2	101.7	100.2	100.8	100.9	100.5	102.0	102.2	102.7	105.4	101.5	103.2				
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	102.7	108.4	110.5	112.0	114.7	115.6	116.7	117.3	118.3	119.2	120.2	121.3	121.3	119.3		126.3	130.5
	118.3	118.1	117.6	116.1	113.7	111.3	109.4	108.5	107.0	106.6	106.8	100.9	104.6				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	95.7	102.3	104.1	105.0	105.3	105.8	102.4	97.5	96.6	97.2	100.6	104.3	105.6	104.8		115.0	117.4
	105.6	106.1	106.3	106.0	105.2	104.3	102.1	99.1	97.0	98.6	97.0	95.2	93.0				
B	DIST FROM SOURCE: 230 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	93.9	100.1	101.6	100.4	97.5	94.4	87.0	86.6	85.7	87.7	91.2	93.9	95.1	95.0		106.3	109.8
	96.1	97.1	97.2	96.0	95.5	95.1	94.2	94.1	93.3	93.0	91.1	89.2	85.9				
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	90.1	96.7	98.6	95.1	85.4	83.0	80.7	76.9	73.6	77.7	82.9	86.3	88.4	87.5		95.2	103.3
	88.6	86.5	86.3	85.2	84.0	81.6	80.2	80.0	77.8	78.4	76.5	75.1	72.9				
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	83.6	89.8	91.4	85.3	75.1	70.9	78.0	75.7	77.2	78.0	78.8	81.4	82.8	81.0		84.6	95.8
	77.0	76.4	72.8	69.4	67.6	65.2	62.2	62.1	61.5								
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	83.0	88.6	88.4	78.5	69.1	75.5	79.1	75.7	80.7	85.7	88.3	92.4	93.4	92.8		96.8	100.9
	92.4	90.3	86.5	80.3	73.6	69.1	70.3	68.7	62.2	65.1							
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	78.5	81.1	79.2	71.1	70.5	75.2	71.0	73.2	79.3	86.2	88.7	89.3	94.1	90.3		94.0	98.6
	88.6	84.4	78.9	73.2	68.9	65.3	59.9	57.2									

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-381

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 381
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	103.3	108.0	110.8	112.7	116.3	116.0	117.7	117.3	117.2	117.2	117.4	118.2	118.1	116.4	123.4	128.6
	115.2	115.0	114.4	113.2	110.7	108.5	106.6	105.8	104.6	104.7	105.7	100.6	103.5			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	103.4	108.2	111.3	113.4	117.4	116.4	118.6	117.7	116.7	114.3	108.9	102.3	103.0	103.0	114.4	125.8
	102.8	102.4	100.7	99.2	99.6	99.7	99.1	100.5	100.9	101.5	104.2	100.6	102.4			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	103.2	107.9	110.2	111.9	115.0	115.5	116.6	116.8	117.6	119.0	120.1	121.1	121.1	119.3	126.2	130.3
	118.1	117.9	117.4	116.1	113.5	111.2	109.3	108.1	106.6	106.5	106.8	100.5	104.5			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	96.0	101.7	103.8	104.6	105.6	105.8	102.5	96.9	95.3	95.9	99.4	102.8	104.0	103.5	113.7	116.5
	104.3	104.8	104.8	104.5	103.8	103.0	101.2	99.1	96.2	96.8	96.3	94.1	92.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	93.9	99.1	100.8	99.7	97.7	94.5	87.4	85.3	84.2	86.1	90.5	93.3	93.6	93.5	104.6	108.8
	94.3	95.1	95.3	94.4	93.9	93.2	92.3	92.4	91.5	91.5	89.7	88.1	85.4			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	90.4	95.8	97.9	95.1	86.7	81.4	77.3	69.3	72.1	74.7	80.0	82.0	84.3	84.1	94.2	102.6
	85.6	85.0	84.8	83.8	83.7	83.0	82.2	81.9	80.0	79.3	77.7	77.0	73.8			
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	83.4	88.7	90.6	84.9	72.5	74.6	75.0	73.0	69.0	69.8	74.6	77.6	75.2	74.4	81.2	94.4
	72.5	72.9	70.5	68.8	68.6	67.8	66.9	67.9	68.1	66.7	62.7					
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	84.0	88.3	88.0	79.1	72.3	78.0	79.1	76.4	74.9	79.5	80.4	84.5	84.5	84.5	88.4	95.3
	84.1	82.2	76.9	72.1	65.6	59.5										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	79.2	81.6	79.3	72.1	70.4	74.9	70.9	67.3	76.2	83.8	85.7	87.5	90.9	88.3	92.6	96.7
	87.4	85.4	81.8	77.3	71.3	63.4	58.9	59.4								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 382
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-382

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	102.8	108.0	111.1	112.6	116.1	115.9	117.3	116.9	116.7	115.9	115.9	117.1	116.9	114.8		121.9	127.6
	113.5	113.2	112.6	111.4	109.0	107.0	105.0	104.4	103.1	103.2	104.3	99.4	102.3				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	102.9	108.2	111.5	113.4	117.1	116.2	118.1	117.3	116.1	112.9	107.3	101.2	101.6	101.3		113.3	125.3
	101.0	100.8	99.3	97.5	98.2	98.4	97.9	99.2	100.3	100.5	103.3	99.7	101.6				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	102.7	107.8	110.5	111.8	114.8	115.5	116.4	116.5	117.2	117.7	118.6	120.1	119.8	117.7		124.6	129.2
	116.4	116.1	115.6	114.3	111.8	109.7	107.6	106.7	104.9	104.9	105.2	99.1	102.9				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	96.4	101.8	104.2	104.9	105.4	105.9	102.5	97.5	96.3	96.1	99.4	103.0	104.1	102.9		112.8	116.1
	103.2	103.5	103.2	102.6	102.1	101.6	100.6	100.0	99.0	97.0	95.7	93.7	91.5				
B	DIST FROM SOURCE: 230 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	93.7	99.0	101.2	99.9	97.6	94.6	88.3	85.2	84.6	86.0	90.1	94.3	95.5	95.6		106.4	109.6
	95.8	96.4	97.0	96.3	96.0	95.8	95.0	94.6	93.2	92.5	89.5	87.1	84.6				
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	89.9	95.4	98.0	94.8	85.8	80.8	77.8	74.7	73.2	75.2	79.6	81.5	82.2	81.5		92.7	102.2
	83.4	84.4	83.7	81.8	80.7	80.7	81.2	81.3	79.1	79.3	77.0	75.2					
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	83.4	88.7	91.0	85.3	75.7	69.2	69.7	65.5	64.0	65.8	68.8	75.6	73.8	71.0		77.9	94.4
	70.6	69.8	68.8	65.8	64.6	63.0	60.4	60.2	60.7								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	83.7	88.7	89.3	80.5	74.4	75.6	76.7	74.9	74.2	78.1	80.9	84.3	84.5	82.5		85.4	95.0
	77.4	74.2	70.6	67.7	63.3	58.9											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	78.0	81.0	79.8	72.8	69.4	75.7	71.9	67.1	66.2	75.4	82.4	86.0	83.5	77.7		84.4	91.3
	77.8	72.5	67.4	61.2	53.7	49.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-383

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 383
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 36 SEC		
	103.1	108.6	111.5	113.2	116.6	115.9	117.5	117.1	116.9	116.0	116.0	116.6	116.5	115.0	121.9	127.7
	113.8	113.2	112.6	111.4	109.0	107.2	105.1	104.5	103.2	103.5	104.5	99.6	102.6			
S	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 36 SEC		
	103.2	109.0	112.1	114.1	117.7	116.5	118.4	117.6	116.6	113.3	107.6	101.2	101.4	101.6	113.4	125.7
	101.3	100.2	98.7	97.1	97.9	98.2	98.0	99.4	99.6	100.6	103.4	99.7	101.7			
T	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 37 SEC		
	103.1	108.3	110.8	112.0	115.0	115.2	116.3	116.5	117.2	117.7	118.7	119.6	119.4	117.9	124.6	129.1
	116.7	116.1	115.5	114.3	111.9	109.9	107.7	106.8	105.1	105.1	105.4	99.5	103.4			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 36 SEC		
	96.8	102.5	104.7	105.2	105.7	105.6	102.6	97.2	95.7	95.5	98.8	101.8	103.1	102.7	112.6	116.0
	103.1	103.2	103.0	102.6	102.3	101.9	100.8	99.7	97.9	95.5	94.9	93.6	91.1			
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 37 SEC		
	94.2	99.7	101.7	100.3	97.8	94.2	88.6	86.4	85.3	86.2	90.7	93.6	94.1	94.8	105.6	109.5
	95.9	96.1	96.0	95.0	95.0	94.7	93.8	93.6	92.7	92.2	90.3	88.1	84.7			
C	DIST FROM SOURCE: 431 METERS													OVERALL SAMPLE DURATION: 36 SEC		
	90.3	96.1	98.5	95.1	87.1	80.9	77.9	73.4	74.5	74.1	77.6	83.3	84.9	84.2	92.7	102.7
	84.6	83.6	83.0	82.0	81.4	80.9	80.2	79.7	77.6	77.6	75.8	75.2				
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 37 SEC		
	83.8	89.2	91.3	85.8	75.0	63.8	69.0	68.4	65.5	66.7	69.2	72.2	73.8	74.9	80.1	94.8
	73.8	74.1	72.1	68.6	66.7	63.5	60.6	60.3								
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 37 SEC		
	83.7	88.7	89.2	80.7	75.1	76.5	75.1	74.5	75.6	76.4	79.3	81.6	82.2	80.4	85.4	94.6
	79.7	78.3	76.0	72.5	68.9	65.3	62.4	58.8								
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 37 SEC		
	78.6	81.6	80.3	73.6	70.9	74.7	72.4	70.5	70.1	74.9	78.6	77.9	78.8	77.6	81.0	89.0
	74.8	73.1	68.0	61.6	54.2	48.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 384
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-384

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	103.1	108.3	111.0	112.6	116.2	116.2	117.3	117.1	116.6	115.8	115.9	116.7	116.5	114.6	113.7	113.0	112.4	110.9	108.6	106.8	104.9	104.4	103.1	103.5	104.6	99.8	102.5	121.7	127.6
S	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	103.1	108.6	111.6	113.5	117.3	116.8	118.3	117.7	116.3	113.1	107.5	101.3	101.6	101.6	101.5	100.7	99.3	98.0	98.8	99.3	99.0	100.3	100.5	101.6	104.2	100.4	102.0	113.8	125.6
T	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	103.2	107.9	110.3	111.5	114.6	115.5	116.0	116.4	116.8	117.5	118.6	119.6	119.4	117.5	116.5	115.9	115.3	113.8	111.4	109.4	107.3	106.4	104.7	104.8	105.1	99.2	102.9	124.3	128.9
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	96.4	101.8	103.8	104.4	105.2	105.8	102.3	96.8	94.8	94.7	98.3	101.8	103.0	102.4	103.0	103.5	103.5	103.1	102.8	102.2	100.8	98.8	96.4	96.1	95.6	93.8	91.4	112.7	115.9
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	94.3	99.4	101.2	100.0	97.6	94.9	88.0	84.2	81.7	84.6	89.2	92.4	94.3	94.1	94.6	95.4	96.0	95.6	95.6	95.3	94.3	93.8	92.5	91.7	88.9	86.1	82.7	105.6	109.2
C	DIST FROM SOURCE: 431 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	89.8	95.3	97.4	94.4	86.3	80.0	76.9	74.5	72.8	71.6	75.9	79.0	81.0	81.2	83.5	82.1	81.8	81.1	80.6	79.5	77.6	76.9	74.3	73.9	72.2			90.8	101.7
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	83.6	88.6	90.7	85.4	74.8	63.4	69.0	68.2	64.0	69.1	71.1	73.0	71.6	71.6	71.3	69.9	66.5	62.5	60.4	57.3								76.6	94.2
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	83.8	88.7	88.9	80.6	77.2	81.0	80.2	81.1	82.9	85.4	89.8	92.4	92.3	91.0	87.2	80.2	78.2	77.3	69.9	68.7	62.8	60.8						93.6	99.7
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	78.4	81.6	80.3	73.8	71.4	77.9	76.8	74.7	73.5	77.5	82.2	85.9	86.2	83.3	81.2	80.5	75.7	68.3	60.2	55.9	54.5							87.7	93.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-385

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 385
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	102.8 108.8 111.3 113.0 115.9 115.9 117.4 116.5 116.0 115.2 115.3 115.9 115.8 114.1 113.0 112.2 111.6 110.2 107.8 106.0 104.2 103.9 102.6 103.3 104.5 99.7 102.3	121.0	127.1
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	102.8 109.1 111.9 113.9 117.1 116.5 118.4 117.1 115.8 112.4 106.9 100.3 100.8 101.0 100.9 100.0 99.0 97.9 98.8 99.4 99.1 100.5 100.6 101.6 104.2 100.5 102.1	113.6	125.4
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	102.8 108.4 110.5 111.9 114.3 115.2 116.1 115.8 116.3 116.8 117.9 118.8 118.8 117.0 115.8 115.1 114.5 113.1 110.5 108.5 106.5 105.7 104.0 104.4 104.8 98.9 102.5	123.6	128.4
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC		
	96.2 102.4 104.4 104.9 105.2 105.6 102.6 96.9 95.5 95.2 98.7 102.0 103.7 103.0 103.3 103.2 102.9 102.2 101.7 101.2 100.5 100.0 98.8 97.2 95.7 93.8 91.5	112.5	116.0
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC		
	93.9 99.9 101.7 100.3 97.7 94.5 88.8 86.4 85.8 86.6 90.8 93.7 95.7 96.3 96.9 97.3 97.6 96.2 95.8 95.5 94.6 93.9 91.8 90.6 88.4 86.4 83.6	106.4	109.9
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC		
	89.4 95.9 98.0 94.8 87.3 77.1 74.1 73.5 74.1 77.4 81.4 84.9 83.8 82.8 84.7 84.1 83.9 81.3 80.7 80.1 79.4 79.1 76.5 76.3 75.3 74.4	92.4	102.4
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC		
	83.5 89.4 91.4 85.6 73.9 65.9 65.9 63.6 65.5 70.5 71.3 74.8 75.9 74.4 71.6 72.3 69.1 65.7 63.4 61.0 58.4 58.5	79.0	94.8
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC		
	83.0 88.5 88.8 79.9 75.2 76.3 78.0 79.0 76.0 77.8 79.2 79.7 81.2 77.9 75.8 72.5 68.9 64.8 59.3 53.6	82.2	94.0
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC		
	78.4 82.0 80.5 73.9 68.1 76.7 76.4 73.8 74.2 77.8 81.2 84.4 85.0 82.7 80.4 77.8 71.6 64.7 54.7 49.0	86.2	92.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-386

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 386
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	102.8	108.5	111.1	112.3	115.8	115.5	116.6	115.5	114.8	113.5	113.4	113.8	113.3	110.9	118.0	125.6
	109.6	108.9	108.3	106.4	103.8	102.3	100.8	100.7	100.3	100.4	101.4		99.7			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	102.8	108.9	111.7	113.2	116.9	116.1	117.5	116.1	114.5	110.6	104.9	98.1	98.3	97.8	111.2	124.6
	97.8	97.3	96.2	95.4	96.5	96.7	96.2	97.7	98.7	98.9	101.4	97.8	99.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	102.7	108.2	110.4	111.1	114.2	114.9	115.3	114.9	115.1	115.2	116.0	116.8	116.2	113.8	120.5	126.5
	112.5	111.8	111.2	109.2	106.4	104.7	103.0	102.4	101.4	101.5	101.3		100.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	96.4	102.4	104.4	104.3	105.1	105.4	101.9	96.5	94.9	94.5	97.9	101.1	102.0	100.6	110.3	114.8
	100.6	100.9	101.2	100.8	100.3	99.6	97.9	96.2	94.2	93.4	92.0	90.8	88.4			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	93.9	99.6	101.6	99.7	97.5	94.1	88.0	85.2	83.1	84.7	89.5	94.0	96.2	96.3	105.8	109.5
	96.2	96.6	97.0	96.1	95.9	95.6	94.2	92.5	88.9	87.7	86.9	84.8	81.4			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	89.6	95.8	98.1	94.5	87.6	77.6	74.9	72.1	72.0	73.2	78.1	81.5	83.6	84.0	93.9	102.4
	85.4	85.7	85.8	84.6	83.5	82.9	81.5	80.3	77.1	76.0	73.8	73.1				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	83.7	89.5	91.4	85.1	74.2	66.4	64.5	62.3	62.8	67.4	70.6	73.0	73.1	72.9	78.6	94.8
	73.3	71.2	69.4	67.1	65.8	63.1	60.0	59.4								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	83.1	88.2	88.5	78.7	74.3	74.5	76.8	77.6	74.3	75.3	77.9	80.2	80.3	77.5	81.5	93.5
	74.4	71.6	67.9	64.4	60.3	55.6										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	79.0	81.9	80.5	73.1	67.3	76.2	76.4	74.9	75.5	79.8	85.3	89.0	89.2	86.8	90.2	95.4
	84.4	81.1	74.8	66.7	57.6	52.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-387

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 387
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	102.6	108.4	111.2	113.1	115.9	115.9	117.6	117.2	117.1	116.6	116.7	117.7	117.7	115.6	122.6	128.1
	114.5	114.1	113.4	112.0	109.5	107.5	105.6	105.0	103.5	103.9	105.1	100.1	102.8			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	102.6	108.8	111.8	114.1	117.1	116.5	118.6	117.8	116.9	114.0	108.4	102.1	102.8	102.6	114.0	125.8
	102.3	101.5	100.0	98.5	99.0	99.2	98.8	100.2	100.2	101.4	104.0	100.3	101.8			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	102.5	108.0	110.5	111.9	114.2	115.2	116.3	116.5	117.3	118.3	119.3	120.6	120.7	118.5	125.3	129.7
	117.4	117.0	116.3	114.9	112.3	110.1	108.1	107.2	105.4	105.5	105.9	99.9	103.6			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	96.1	102.1	104.2	105.0	105.0	105.5	102.3	96.9	95.5	95.9	99.6	103.3	104.9	103.8	113.7	116.6
	104.6	105.1	105.1	104.6	103.8	102.8	100.4	97.5	96.7	97.6	95.9	94.6	92.0			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	93.4	99.4	101.3	100.2	97.2	94.1	88.7	85.6	83.5	85.9	90.8	94.4	96.5	96.8	108.1	110.5
	97.9	98.8	99.6	99.0	98.8	98.2	96.5	94.2	89.8	88.2	88.2	86.3	83.0			
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	89.4	95.8	97.9	95.3	87.6	77.7	75.7	73.6	73.1	74.8	78.9	82.7	85.1	84.7	96.7	103.0
	87.7	88.2	88.2	87.3	87.0	86.5	85.3	83.5	79.6	78.3	76.5	75.6				
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	83.3	89.2	91.2	85.6	73.8	68.9	67.8	65.0	66.6	69.2	72.5	75.0	76.8	74.4	80.8	94.8
	74.6	73.3	70.8	68.8	67.7	65.8	65.5	66.0	65.1	64.4						
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	82.8	88.2	88.6	79.3	69.8	68.9	72.0	75.4	72.3	71.7	76.6	79.9	79.2	78.5	82.5	93.3
	78.3	74.4	70.9	65.5	60.5	56.0										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	78.6	82.1	81.0	74.3	66.4	73.9	73.9	72.4	72.4	77.7	84.6	89.0	87.9	85.8	90.0	95.0
	84.9	82.2	76.7	70.3	63.3	56.5										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-388

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION O1 HT AGL 1.5 M

EVENT:
NUMBER 388
DATE 09 JAN 81

MICROPHONE:
ARRAY O5

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	100.0	106.4	110.0	112.3	115.4	117.1	119.4	119.9	120.3	119.3	117.2	117.5	117.6	116.9		124.1	129.5
	115.4	115.0	114.5	114.2	112.4	110.5	109.2	108.6	106.5	105.6	105.9	101.1	102.2				
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	100.1	106.6	110.5	113.0	116.4	117.5	120.3	120.3	119.9	116.7	110.0	102.4	102.1	102.9		114.3	127.2
	102.8	101.9	100.4	99.8	99.6	99.0	98.4	99.1	98.6	99.2	100.5	97.3	98.3				
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	99.9	106.1	109.3	111.4	114.1	116.6	118.3	119.4	120.7	120.9	119.8	120.4	120.6	119.8		126.9	131.0
	118.3	117.9	117.5	117.2	115.3	113.4	112.0	111.3	109.1	108.1	108.2	103.0	104.2				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	94.9	100.6	103.5	104.6	105.1	107.1	104.2	99.2	97.6	96.2	97.6	100.5	102.1	101.7		109.4	114.9
	101.5	101.1	100.6	99.6	98.4	97.6	95.5	94.5	92.2	91.3	89.1	87.6	86.4				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	92.3	97.5	100.7	100.2	97.8	96.4	89.1	85.4	84.5	84.3	86.6	89.8	91.5	91.2		97.9	107.0
	90.8	90.2	89.9	88.1	86.2	84.9	82.0	80.0	79.0	77.5							
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 39 SEC					
	87.1	93.0	96.5	95.2	89.0	77.4	76.1	71.0	70.0	70.5	74.1	78.5	81.6	82.0		87.9	100.8
	81.9	81.1	79.9	77.5	76.1	73.6											
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	79.5	85.3	88.7	85.3	76.4		73.0		61.6	63.0		67.6	68.6	68.9		78.9	92.0
	67.8	67.8	65.5	62.7	59.1	54.1											
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 37 SEC					
		81.9	82.4				64.1		59.4		62.6	65.8	66.2	65.7		69.6	84.2
	63.7	62.4	59.2	54.2													
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 37 SEC					
									54.9	55.4	57.7	60.9	63.0	64.0	63.3	66.6	74.5
	61.3	59.4	54.9	48.3													
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 37 SEC					
	70.1		71.3				52.1		54.2	56.9	59.6	60.2	60.8	60.3		63.4	75.0
	57.5	55.4	51.2														
I	DIST FROM SOURCE: 2977 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	70.1	71.7	70.1								63.3			61.3			
	58.8	55.4	50.0	42.1													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-389

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 389
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 37 SEC 101.3 107.1 110.8 112.7 116.7 117.8 120.5 121.0 121.4 119.7 117.1 117.8 118.3 117.3 115.7 115.2 114.9 114.5 112.6 110.4 109.1 108.4 106.6 105.9 106.5 102.1 103.0	124.4	130.2
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 37 SEC 101.4 107.3 111.4 113.4 117.7 118.3 121.5 121.4 121.1 117.2 110.1 102.8 103.2 103.8 103.4 102.9 101.8 101.6 102.2 101.6 100.9 102.0 101.5 102.5 104.1 101.4 102.0	115.9	128.2
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC 101.1 106.8 110.2 111.7 115.4 117.3 119.3 120.4 121.7 121.2 119.7 120.8 121.2 120.3 118.6 118.1 117.8 117.4 115.4 113.1 111.7 110.9 108.8 107.7 108.0 102.8 103.9	127.1	131.5
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 36 SEC 94.9 100.6 103.9 104.8 106.2 107.8 105.5 100.6 99.1 97.4 98.1 100.4 101.5 101.0 99.8 98.8 98.4 97.7 96.7 96.0 94.0 93.0 90.6 89.6 87.2 85.3 84.2	108.0	115.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC 92.5 97.5 100.6 99.7 98.5 96.9 90.2 87.0 84.9 82.4 84.4 88.2 90.2 89.9 88.2 87.2 86.7 85.2 83.7 81.8 78.0 75.2	95.4	106.8
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 36 SEC 87.6 93.0 96.4 94.5 88.9 77.7 76.3 73.0 73.2 72.3 75.7 78.7 80.5 80.7 80.9 80.1 78.2 75.5 74.1 71.9	86.5	100.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 33 SEC 80.7 85.9 89.2 85.6 77.2 73.3 62.2 63.6 67.5 68.6 69.1 69.8 68.9 68.9 67.2 63.9 60.1 55.6	75.0	92.6
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 82.9 83.6 76.5 64.0 61.8 65.1 65.6 65.5 63.5 61.8 58.6 53.4	68.9	85.5
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 36 SEC 77.1 68.4 54.6 56.2 59.3 62.5 62.9 62.3 60.1 58.2 53.6 47.1	65.5	76.6
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 37 SEC 70.6 70.7 57.1 54.6 52.3 55.6 56.8 58.5 58.7 57.4 54.4 52.4	60.7	74.1
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 36 SEC 70.7 71.7 69.8 58.5 52.2 46.3		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
ONEGA 12.2
TEST AA-105-390

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 390
DATE 09 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	100.7	107.2	110.8	113.1	116.8	118.3	120.9	121.2	121.6	120.2	117.6	118.8	119.2	118.4	116.7	116.3	116.0	115.8	114.2	112.3	110.9	110.3	108.2	107.4	107.6			125.6	130.8
S	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	100.8	107.4	111.3	113.9	117.8	118.7	121.8	121.6	121.1	117.7	110.5	103.5	103.9	104.4	103.8	102.7	100.9	99.7	99.3	98.3	96.5	96.4	95.5	96.2	97.3			114.8	128.4
T	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	100.5	106.9	110.1	112.2	115.4	117.8	119.6	120.8	122.0	121.8	120.2	121.8	122.2	121.3	119.6	119.2	118.9	118.8	117.2	115.2	113.8	113.2	111.1	110.3	110.4	105.3	106.3	128.4	132.3
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	94.7	101.0	104.4	105.5	106.7	108.6	106.3	101.2	99.1	97.6	98.4	101.7	102.9	102.5	102.1	101.5	100.7	99.6	97.9	97.0	95.1	94.0	91.7	90.5	88.6	86.6	84.7	109.6	116.0
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
	92.5	98.0	101.3	100.6	99.3	97.8	91.1	88.1	86.3	85.8	87.4	90.0	91.7	92.0	91.2	90.4	90.1	88.5	86.7	85.4	82.1	79.9						98.3	107.8
C	DIST FROM SOURCE: 431 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	87.7	93.6	97.1	95.6	90.1	79.6	79.6	75.8	74.8	72.9	75.5	79.5	80.2	81.0	81.0	80.3	79.3	76.4	74.3	72.1								86.9	101.4
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	81.3	87.0	90.3	86.7	78.7					65.7	64.4	66.6	68.6	72.6	73.0	73.3	72.9	72.7	70.7	67.5	64.0	59.0						78.7	93.8
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
			83.3	83.9	77.1				61.7		60.0		63.5	67.6	69.4	69.2	67.6	66.8	63.6	58.9								73.0	86.5
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
			77.7		70.2					57.3	56.3	58.8	61.7	65.1	66.2	65.9	64.2	61.9	57.6	50.9								69.0	79.0
G	DIST FROM SOURCE: 2087 METERS																											OVERALL SAMPLE DURATION: 30 SEC	
	70.9	74.3	72.1				53.3		54.1	55.5	59.1	62.1	63.7	63.6	61.0	58.5	54.6											66.2	77.0
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 31 SEC	
	70.9	73.0	71.7											61.8	59.7	57.2	52.8	45.8	36.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-391

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 391
DATE 09 JAN 81

MICROPHONE:
ARRAY D6

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 17 SEC						
	99.0	103.9	107.4	109.2	113.7	114.1	116.3	116.4	114.8	110.9	112.0	113.6	114.1	112.7	121.9	126.0
	111.1	112.6	113.8	113.6	111.6	108.7	106.9	106.9	104.9	103.4	103.8	99.9	99.2			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 17 SEC						
	98.8	103.8	107.6	109.7	114.7	114.6	117.3	117.6	115.5	110.7	108.9	105.4	105.0	103.8	114.3	124.3
	101.4	100.5	101.2	101.9	102.4	102.4	101.7	102.2	100.1	100.3	101.6	97.4	98.0			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 16 SEC						
	99.3	103.9	107.2	108.7	112.3	113.4	115.0	114.7	113.9	111.2	113.8	116.3	116.8	115.4	124.5	127.2
	113.8	115.4	116.6	116.5	114.3	111.2	109.2	109.1	107.1	105.2	105.3	101.4	100.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 17 SEC						
	90.0	96.0	98.6	98.8	98.1	98.0	92.9	87.1	82.1	82.8	88.5	92.3	95.8	96.0	109.3	110.8
	97.5	99.9	101.1	101.1	101.1	100.2	97.2	94.0	89.2	87.0	84.3	82.3				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 16 SEC						
	84.8	90.6	93.4	91.4	83.9	78.5	75.2	71.6	69.9	71.6	77.8	82.5	84.1	84.6	98.9	101.1
	86.2	89.5	91.4	91.7	91.1	89.1	85.7	81.0	74.8							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 16 SEC						
	82.2	88.2	89.8	84.9	73.6	70.9	70.6	66.3	63.6	65.4	72.3	77.1	79.8	81.3	91.6	95.8
	82.9	85.3	85.9	84.5	81.4	75.2	66.9	62.1								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 17 SEC						
	77.1	83.4	83.7	75.1						61.5	60.0	60.4	64.8	68.9	70.9	72.2	80.0	88.3
	74.1	75.0	74.1	70.6	64.8	56.8										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 15 SEC						
	74.0	78.1	76.6									70.1	71.8	71.9	76.4	83.5
	71.8	70.7	68.0	62.4												
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 15 SEC						
	74.7	77.6	73.0	69.9								69.1	72.3	75.1	75.9	79.8	84.7
	77.0	73.6	69.1	60.8												
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 17 SEC						
	73.6	76.1	70.6	60.8			63.6		60.9	69.5	66.8	71.5	73.9	73.2	76.4	82.5
	71.7	69.9	65.4	55.2												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 15 SEC						
	70.4	73.7	68.7	66.6								67.8	68.7	67.3	71.5	79.1
	67.3	65.1	60.7													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-392

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 392
DATE 09 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	98.2	103.8	107.5	108.9	113.5	114.0	116.0	116.0	114.4	110.7	111.3	113.2	113.8	111.8	121.4	125.6
	110.4	111.9	113.2	113.1	111.5	108.9	106.6	106.5	104.6	103.2	103.6	99.7	99.0			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	98.0	103.8	107.8	109.4	114.6	114.4	117.0	117.2	115.1	110.5	108.3	104.9	104.6	103.2	114.0	124.0
	100.8	100.4	101.2	101.4	101.9	102.1	101.2	101.9	99.7	99.9	101.4	97.3	98.2			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	98.4	103.9	107.3	108.3	112.1	113.5	114.7	114.5	113.5	110.9	113.1	115.9	116.6	114.6	124.0	126.8
	113.1	114.7	116.0	116.0	114.3	111.4	108.9	108.7	106.9	105.0	105.0	101.2	99.6			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	94.9	100.6	105.1	106.0	109.3	110.5	108.2	99.6	93.7	94.7	99.9	104.0	105.9	105.0	116.5	119.2
	104.4	105.9	107.5	108.2	108.3	107.1	104.3	102.1	98.3	97.4	96.0	92.7	90.3			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	89.4	96.2	98.8	98.5	98.1	97.9	92.5	87.3	82.2	83.2	90.3	95.3	98.6	98.6	110.5	111.9
	99.5	102.5	103.8	103.2	101.4	98.9	95.1	92.1	88.5	86.0	83.3	82.0				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	84.6	91.3	93.8	91.1	82.3	77.9	76.7	73.8	73.0	74.8	80.8	86.0	89.9	90.7	101.8	103.5
	92.3	94.9	95.6	94.2	92.7	89.5	83.0	79.7								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	81.3	88.2	89.6	84.1	73.3	72.3	72.8	69.0	67.2	70.5	76.5	81.5	84.8	85.9	95.6	98.1
	88.1	90.5	90.0	87.1	83.2	77.5	70.3	65.4	63.0							
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	77.0	83.8	83.6	74.8			66.2	67.0	67.8	70.3	77.3	83.0	86.5	86.5	91.6	94.8
	86.6	86.9	83.9	77.6	70.9	64.8										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	72.6	76.8	73.6				70.0	62.4	61.8	66.1	74.0	78.2	79.9	79.9	83.6	87.5
	78.7	78.5	72.9	65.1	56.6	48.2										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	71.5	73.9	68.9	69.4		65.8	66.0	60.2	59.6	64.8	73.1	77.8	79.6	80.3	82.6	86.6
	78.9	74.7	69.5	60.9	49.9											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	69.9	72.0	67.6	68.0			59.1	55.4	57.8	62.4	69.2	73.5	75.4	75.4	78.8	82.9
	75.2	72.0	67.2	57.7	46.1											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	67.1	69.2	65.2	65.6		59.9	57.0	56.5	58.0	60.6	67.4	71.4	72.5	71.7	75.4	79.9
	71.7	68.3	63.3	54.7												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-393

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 393
DATE 09 JAN 81

MICROPHONE:
ARRAY 0E

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 42 SEC						
	98.3	104.2	107.2	109.0	114.0	114.2	116.3	116.1	114.4	110.6	111.2	113.2	113.7	112.1	121.5	125.7
	110.5	112.2	113.5	113.4	111.1	108.2	106.7	106.7	104.5	102.9	103.4	99.4	98.6			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 42 SEC						
	98.2	104.2	107.5	109.5	115.0	114.6	117.3	117.3	115.2	110.4	108.3	104.9	104.7	103.6	114.5	124.2
	101.1	100.9	101.7	102.4	102.9	103.0	102.1	102.7	100.5	100.2	101.5	97.2	97.6			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	98.5	104.2	107.0	108.4	112.5	113.7	114.9	114.4	113.5	110.8	113.0	115.9	116.5	114.7	124.1	126.9
	113.3	115.1	116.4	116.3	113.8	110.5	108.9	108.8	106.6	104.5	104.8	100.9	99.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	95.0	101.1	104.9	106.4	109.9	110.8	108.4	99.8	93.7	94.7	99.8	104.1	106.2	105.7	117.5	119.9
	105.2	107.1	108.7	109.6	109.6	108.0	104.7	101.6	98.9	98.4	96.4	93.2	90.7			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 42 SEC						
	89.5	96.7	98.7	98.8	98.6	98.2	93.0	88.6	83.3	83.7	89.9	94.6	97.6	97.8	110.5	111.8
	98.8	101.5	103.1	103.1	102.3	100.3	95.8	92.1	89.7	88.1	84.7	82.9				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	84.1	91.5	93.6	91.2	83.2	79.5	77.7	74.6	74.6	76.1	81.0	85.5	89.2	89.5	99.8	102.1
	90.0	92.0	92.9	92.3	90.9	88.6	85.6									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	81.4	88.7	89.8	84.6	73.5	71.5	71.8	69.3	66.5	69.2	76.1	81.7	85.8	87.1	95.8	98.5
	89.3	90.8	90.1	86.6	82.6	77.5	71.9									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 42 SEC						
	78.1	84.6	83.9	76.1		70.4	64.5	63.7	63.0	66.6	74.7	81.7	85.8	86.5	91.3	94.6
	87.3	86.5	83.1	76.2	69.1	61.8										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 42 SEC						
	74.4	80.1	76.9				70.7	63.7	61.4	64.3	70.8	77.5	80.3	79.2	83.5	87.5
	77.9	78.5	75.1	67.3	58.3											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	73.4	77.0	71.4	69.0		70.3	65.8	61.6	61.3	64.5	71.2	75.5	78.1	77.6	81.3	85.8
	77.1	75.3	71.1	62.8	51.7	41.6										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 44 SEC						
	72.3	75.4	69.2	67.5		64.1	58.9	57.5	59.3	62.2	69.2	74.3	76.6	76.5	79.5	84.1
	75.3	72.7	68.9	59.2	47.0											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	69.9	73.4	66.5	65.6		62.2	56.7	57.7	59.0	61.4	67.3	71.3	73.2	72.4	76.0	81.1
	71.8	69.5	65.0	56.5	46.9											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-394

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT
NUMBER 394
DATE 09 JAN 81

MICROPHONE
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION		1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
		25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
		630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS															OVERALL SAMPLE DURATION: 30 SEC		
		98.2	103.8	107.3	109.0	114.0	113.9	116.2	116.0	114.5	110.6	111.3	113.3	113.9	112.4		121.6	125.8
		110.8	112.1	113.6	113.7	111.4	108.5	106.5	106.6	104.5	103.0	103.4	99.6	99.1				
S	DIST FROM SOURCE: 75 METERS															OVERALL SAMPLE DURATION: 30 SEC		
		98.0	103.7	107.5	109.5	115.1	114.3	117.1	117.1	115.2	110.4	108.2	104.9	104.5	103.5		113.7	124.0
		100.7	99.8	100.7	101.1	101.7	101.6	100.5	101.1	98.9	99.2	100.9	97.1	98.3				
T	DIST FROM SOURCE: 75 METERS															OVERALL SAMPLE DURATION: 30 SEC		
		98.4	103.8	107.0	108.4	112.6	113.5	114.9	114.4	113.6	110.8	113.0	115.9	116.6	115.1		124.3	127.0
		113.5	115.0	116.5	116.6	114.2	111.1	109.0	109.0	106.9	105.0	105.0	101.2	99.8				
A	DIST FROM SOURCE: 134 METERS															OVERALL SAMPLE DURATION: 30 SEC		
		95.1	100.8	105.0	106.3	109.9	110.5	108.3	99.7	94.6	95.5	100.7	104.9	106.7	106.4		117.4	119.8
		105.6	106.8	105.1	103.9	103.1	101.9	100.3	100.3	98.7	98.1	97.2	93.5	91.3				
B	DIST FROM SOURCE: 238 METERS															OVERALL SAMPLE DURATION: 37 SEC		
		89.3	96.3	98.5	98.2	98.1	97.7	92.3	86.5	81.8	82.6	89.6	94.8	97.6	98.1		110.1	111.5
		99.0	101.5	102.7	102.6	101.6	99.8	99.6	93.3	90.0	87.2	84.4	82.6					
C	DIST FROM SOURCE: 423 METERS															OVERALL SAMPLE DURATION: 37 SEC		
		84.2	91.0	93.2	91.1	83.2	77.3	75.1	71.8	71.0	73.1	79.3	83.6	86.2	87.1		99.4	101.5
		88.3	90.7	92.2	92.2	91.2	89.0	85.5	82.6									
D	DIST FROM SOURCE: 753 METERS															OVERALL SAMPLE DURATION: 37 SEC		
		81.1	88.0	89.3	84.5	73.1	68.0	69.0	66.4	63.4	65.5	73.3	79.1	83.2	84.3		93.6	96.7
		85.6	87.8	88.0	85.5	82.1	76.7	68.9	63.0									
E	DIST FROM SOURCE: 1255 METERS															OVERALL SAMPLE DURATION: 30 SEC		
		76.6	84.1	83.8	75.4			64.1	62.0	59.8	61.0	67.7	73.3	76.2	78.9		86.2	90.6
		80.6	81.9	80.4	75.1	68.7	61.0											
F	DIST FROM SOURCE: 1757 METERS															OVERALL SAMPLE DURATION: 30 SEC		
		74.1	78.8	76.2				70.2	64.3	56.9	60.9	66.6	73.2	77.1	78.3		82.5	86.5
		78.5	77.8	73.9	65.0	55.4												
G	DIST FROM SOURCE: 2079 METERS															OVERALL SAMPLE DURATION: 37 SEC		
		72.7	76.3	71.2	69.6		66.0	62.7	58.0	55.8	57.5	64.2	68.9	71.7	72.3		76.3	82.1
		73.1	70.6	65.9	59.2	48.2												
H	DIST FROM SOURCE: 2273 METERS															OVERALL SAMPLE DURATION: 30 SEC		
		71.6	74.9	69.2	66.9		62.7		54.5	56.4	57.5	64.9	68.7	71.6	71.6		74.9	80.8
		70.9	68.5	64.5	55.7	44.9												
I	DIST FROM SOURCE: 2377 METERS															OVERALL SAMPLE DURATION: 37 SEC		
		68.7	72.1	65.9	64.3		59.8	58.4	54.2	55.5	57.1	62.8	67.4	69.5	68.6		72.8	78.4
		69.3	66.7	61.9	53.8													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-395

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 395
DATE 09 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	98.8	103.1	107.2	109.0	114.2	113.8	115.9	115.9	114.3	110.8	110.8	113.1	113.7	111.6	121.1	125.5
	110.2	111.9	113.1	112.8	110.7	108.0	106.5	106.5	104.4	103.0	103.1	99.2	96.5			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	98.7	103.2	107.5	109.6	115.3	114.2	116.9	117.1	115.1	110.6	107.9	105.0	104.7	103.2	114.6	124.1
	101.1	101.5	102.4	102.5	103.0	103.3	102.5	103.0	100.7	100.5	101.3	97.1	97.5			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	98.9	103.1	107.0	108.4	112.7	113.3	114.6	114.2	113.4	110.9	112.6	115.7	116.4	114.3	123.6	126.6
	112.9	114.7	115.9	115.6	113.4	110.2	108.6	108.5	106.4	104.5	104.4	100.6	99.3			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	93.0	97.5	102.2	103.7	107.2	107.3	105.3	96.8	91.2	92.1	97.1	101.4	103.4	102.3	114.4	116.8
	101.4	103.8	105.8	106.3	106.3	104.9	102.0	99.3	95.2	94.5	93.6	90.0	87.6			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	90.0	95.6	98.5	98.6	98.5	97.6	92.9	87.3	82.3	82.3	88.1	92.8	95.4	94.5	107.9	109.8
	94.7	97.8	99.7	100.0	99.9	98.7	95.5	92.6	88.6		83.7	82.9				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 26 SEC						
	85.1	90.7	93.4	91.7	83.8	76.7	76.5	73.5	72.8	75.0	82.0	86.7	89.3	89.5	100.3	102.4
	90.5	92.5	93.2	92.6	91.8	89.1	84.5	80.3								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	82.0	87.5	89.2	84.8	73.3	67.6	70.9	67.6	63.8	66.6	73.6	78.6	81.2	81.5	91.8	95.7
	82.4	85.7	86.4	84.4	81.0	76.3	68.3	62.8								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	77.6	83.3	83.9	76.2	67.6		62.3	61.9	60.2	61.5	68.2	74.9	77.9	78.5	85.5	90.2
	79.9	80.6	79.3	74.9	68.7	59.4										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	74.1	77.3	75.6			71.5			57.2		64.9	70.8	73.7	73.8	77.8	83.7
	73.5	72.0	69.3	62.4	53.2											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	72.9	75.3	70.8						56.6	59.8	66.2	71.2	72.8	73.2	76.6	82.1
	72.4	70.7	66.2	58.0	48.3											
H	DIST FROM SOURCE: 2279 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	72.4	73.5	68.4	66.4			62.9	54.6	57.4	60.9	68.9	73.6	75.1	74.7	77.8	82.6
	73.1	71.2	66.9	56.9	45.7											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	69.4	71.2	65.5			58.4	56.3	54.6	55.4	57.9	65.5	70.8	72.4	70.7	74.1	79.4
	68.5	67.5	61.5	52.0												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-396

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 396
DATE 09 JAN 81

MICROPHONE:
ARRAY D6

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	98.6	104.5	107.4	109.0	113.8	113.9	116.2	115.8	114.4	110.6	111.5	113.2	113.9	112.4	110.8	112.3	113.6	113.7	111.3	108.4	106.7	106.8	104.6	103.2	103.6	99.8	99.2	121.7	125.8
S	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	98.4	104.5	107.6	109.5	114.9	114.3	117.2	117.0	115.1	110.4	108.5	105.0	104.7	103.8	101.1	100.3	101.1	101.9	102.5	102.4	101.4	102.0	99.8	100.0	101.6	97.8	98.6	114.2	124.0
T	DIST FROM SOURCE: 75 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	98.7	104.4	107.1	108.3	112.3	113.4	114.9	114.3	113.5	110.8	113.3	115.9	116.6	115.1	113.6	115.2	116.5	116.6	114.0	110.8	109.0	109.0	106.9	105.0	105.0	101.2	99.8	124.3	127.0
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 36 SEC	
	92.6	98.6	102.3	103.5	106.9	107.7	105.5	96.8	91.9	92.9	98.7	102.4	104.3	103.9	103.4	105.1	106.3	106.8	106.9	105.5	102.9	100.9	96.9	95.6	94.8	91.3	88.9	115.2	117.4
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	89.6	96.9	98.7	98.5	98.1	97.8	92.9	87.8	82.6	82.9	89.4	94.0	97.6	98.5	100.2	103.0	104.3	104.1	103.3	101.3	96.6	93.4	91.3	89.0	85.7	83.7	82.0	111.5	112.5
C	DIST FROM SOURCE: 423 METERS																											OVERALL SAMPLE DURATION: 36 SEC	
	85.1	92.1	94.0	91.7	83.5	77.4	76.5	74.8	73.5	74.5	80.8	86.2	88.8	90.2	91.9	94.5	95.6	94.9	92.9	89.0	84.4	80.6						101.9	103.6
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	81.6	88.7	89.5	84.3	72.6	70.0	70.1	67.4	66.3	69.2	76.3	81.0	83.0	84.3	86.1	88.9	88.9	86.4	83.7	79.0	72.6	66.1	63.1					94.6	97.4
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	78.0	85.4	84.7	75.3			65.5	64.2	62.1	63.4	70.8	75.9	80.6	84.2	86.5	87.3	85.5	79.0	70.9	62.9								91.4	94.2
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 37 SEC	
	74.2	79.4	76.5	68.7			70.4		60.8	61.9	69.0	76.3	78.7	79.2	79.4	78.7	73.9	66.4	57.5	50.4								83.5	87.6
G	DIST FROM SOURCE: 2079 METERS																											OVERALL SAMPLE DURATION: 36 SEC	
	72.6	76.5	71.1	69.2			66.4	58.8	56.6	58.9	66.3	72.5	76.7	76.4	75.4	74.2	70.0	62.2	51.9									79.9	84.3
H	DIST FROM SOURCE: 2273 METERS																											OVERALL SAMPLE DURATION: 36 SEC	
	72.7	75.7	70.0				62.5		58.0	59.5	65.3	69.5	73.5	73.4	72.2	69.1	66.0	57.6	48.2									76.3	81.8
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 36 SEC	
	70.2	73.9	66.7	65.9			58.6	56.5	57.4	59.0	66.1	69.8	71.9	71.9	71.2	70.2	65.4	56.7										75.6	80.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-106-397

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT: NUMBER 397 DATE 09 JAN 81

MICROPHONE: ARRAY 06

DATE 05 FEB 87

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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	98.8	104.1	107.7	108.6	113.9	114.1	116.1	115.9	114.3	110.8	111.5	113.5	114.0	112.5	121.6	125.8
	110.9	112.3	113.4	113.3	111.2	108.6	106.9	106.9	104.7	103.5	103.8	99.9	99.5			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	98.8	104.1	108.0	109.2	115.0	114.6	117.2	117.1	115.1	110.6	108.5	105.4	105.0	104.1	114.7	124.2
	101.5	100.9	101.7	102.6	103.3	103.2	102.3	102.8	100.6	100.7	102.0	98.0	98.8			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	98.9	104.1	107.4	108.0	112.3	113.5	114.7	114.2	113.3	110.9	113.2	116.2	116.7	115.2	124.2	126.9
	113.6	115.1	116.3	116.2	113.9	110.9	109.1	109.0	106.8	105.1	105.1	101.3	100.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	92.7	98.2	102.6	103.1	106.9	107.6	105.5	96.7	91.3	92.5	97.9	102.0	103.8	103.4	115.0	117.2
	103.1	104.9	106.3	106.7	107.1	105.4	102.0	99.6	96.8	95.8	94.1	90.7	88.3			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	90.0	96.4	99.0	98.2	98.1	97.7	92.4	86.9	81.7	82.0	89.0	93.9	96.7	97.1	110.7	111.8
	98.5	101.3	102.9	103.2	102.9	101.4	96.6	92.1	89.0	87.3	84.0	82.0				
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 25 SEC						
	85.0	91.0	93.8	91.3	83.4	76.0	76.3	72.9	70.5	72.9	78.0	82.8	86.2	88.0	102.2	103.4
	90.2	93.7	95.5	95.7	94.5	90.5	84.6	80.0								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	80.9	87.8	89.5	84.1	72.6	68.4	69.3	67.2	64.5	66.7	73.2	79.0	81.6	82.7	93.2	96.4
	84.3	87.1	88.2	85.9	81.1	75.9	67.5	61.0								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	77.8	84.5	84.7	75.2			62.1	61.2	62.4	64.3	71.3	77.7	81.6	83.0	89.9	93.1
	84.4	85.5	84.0	77.9	71.5	64.5										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	74.6	79.0	77.0			74.3			60.2	64.8	71.9	78.9	80.1	78.9	84.0	88.2
	80.0	78.7	74.5	66.6	57.9	51.0										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	73.1	76.1	71.8	68.5		67.0			58.4	61.7	69.9	74.4	75.6	77.4	81.1	85.1
	77.6	75.5	71.2	62.7	52.7											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	71.8	74.3	71.0						57.2	59.6	66.9	72.0	74.9	76.7	79.7	83.5
	75.8	74.5	68.6	59.7	48.8											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	69.3	72.1	67.5	66.4		60.8	57.0	57.0	57.0	59.8	66.6	72.0	74.2	74.9	78.2	82.2
	74.2	72.7	67.3	57.6												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-398

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 398
DATE 09 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	98.8	103.9	107.1	108.7	113.4	113.7	116.1	116.0	114.3	110.6	111.2	113.3	114.0	112.7	121.6	125.7
	110.4	111.8	113.2	113.4	111.3	108.7	106.8	106.9	104.7	103.4	103.9	100.1	99.5			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	98.7	103.9	107.3	109.3	114.5	114.1	117.2	117.2	115.1	110.3	108.3	105.1	104.8	104.0	114.5	124.0
	101.4	100.4	101.3	102.3	103.0	102.9	102.1	102.7	100.6	100.5	102.2	98.2	98.9			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	98.8	103.8	106.8	108.1	112.0	113.1	114.7	114.3	113.4	110.8	113.0	116.0	116.8	115.4	124.1	126.8
	113.2	114.7	116.1	116.2	114.0	111.1	109.0	109.0	106.8	105.2	105.1	101.4	99.9			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	92.8	98.1	102.0	103.4	106.6	107.3	105.5	97.0	91.5	92.3	97.8	102.0	104.2	103.6	114.9	117.1
	103.2	104.5	105.8	106.5	106.9	105.4	102.3	99.6	96.2	96.0	93.9	90.6	88.0			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	90.0	96.4	98.5	98.4	97.9	97.5	92.5	87.8	82.8	82.3	88.9	93.8	97.3	98.1	111.0	112.0
	99.2	102.0	103.6	103.5	102.8	101.0	96.6	93.2	91.1	88.5	85.6	83.6	81.6			
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 33 SEC	
	84.8	90.8	93.1	90.8	82.5	77.2	75.6	73.8	72.7	73.4	78.8	83.0	85.5	85.8	98.2	100.8
	87.3	90.4	91.7	91.3	89.5	85.9	82.7	80.8								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	81.1	87.9	89.2	84.3	72.7	69.7	69.9	67.3	66.0	68.3	74.9	80.3	83.5	84.7	93.4	96.6
	85.8	87.5	87.8	85.5	81.1	75.1	68.6	61.9								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	77.8	84.3	84.0	75.9		60.4	64.8	63.8	64.1	66.3	73.3	80.2	82.8	83.8	89.3	93.0
	84.5	84.6	82.0	76.4	71.1	63.8										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	74.5	78.3	75.3							60.4	63.5	70.8	77.0	80.2	80.0	84.1
	79.4	79.0	75.3	66.9	57.5	50.8										87.8
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 42 SEC	
	72.7	75.1	69.3							60.5	62.8	71.5	76.2	77.6	76.6	80.9
	76.4	75.1	71.0	62.0	55.2											85.0
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	71.8	73.2	67.7							59.0	62.1	70.0	73.9	76.0	75.8	78.7
	74.1	72.1	67.1	58.2												83.2
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	69.5	71.0	65.2	66.3		57.4	58.1	56.8	58.0	60.8	67.0	70.4	72.4	72.2	75.5	80.2
	71.8	68.9	63.6	55.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-399

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 399
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC 99.1 106.6 109.8 111.4 116.5 118.3 121.4 122.9 123.9 121.4 118.6 120.0 119.9 118.1 117.0 117.5 117.4 116.8 114.3 112.0 110.6 109.9 107.9 107.3 107.2 101.8 103.6	126.2	131.7
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC 99.2 106.7 110.2 112.0 117.5 118.6 122.0 123.1 123.5 119.8 113.1 110.1 108.2 107.9 107.0 104.9 103.9 103.2 102.9 102.6 101.8 101.8 101.1 100.9 102.5 98.7 99.0	117.9	129.6
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 99.0 106.4 109.3 110.6 115.4 118.0 120.7 122.6 124.2 122.5 121.0 122.8 122.7 120.5 119.8 120.4 120.4 119.7 117.1 114.7 113.3 112.6 110.4 109.8 109.3 103.6 105.8	128.9	133.1
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 36 SEC 92.5 100.1 102.8 103.0 104.7 107.3 106.4 104.4 103.5 100.0 99.6 102.2 102.6 101.8 101.6 101.8 101.9 101.4 100.5 100.2 98.9 98.2 96.4 95.5 93.4 91.5 89.0	111.3	116.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC 90.2 97.0 100.0 98.7 95.1 94.7 94.1 91.4 90.2 86.5 86.4 88.4 88.5 88.2 87.5 87.2 87.2 85.6 83.7 82.2 79.0 76.4 73.5	95.3	106.0
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 36 SEC 85.2 92.0 94.8 92.9 88.3 76.5 81.1 79.3 75.7 72.0 71.5 73.6 73.9 72.8 73.9 73.3 72.6 70.7 69.2 66.5 62.7 58.6	80.8	99.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 36 SEC 74.6 81.2 83.9 80.7 75.3 64.0 61.7 60.2 59.9 61.1 64.0 64.7 64.6 64.1 63.8 62.0 59.9 56.7 52.6	70.3	87.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 36 SEC 73.0 78.8 79.9 74.1 66.8 57.5 58.3 58.5 57.1 58.9 61.3 62.2 61.4 59.9 58.4 55.4 50.9 46.1	65.5	83.6
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 36 SEC 67.6 71.2 69.7 63.7 61.6 54.2 55.0 54.4 56.2 58.5 58.9 57.3 55.3 53.1 48.2 43.6	61.0	75.2
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 35 SEC 64.2 67.3 64.7 52.0 51.5 53.5 54.3 54.5 52.9 50.8 49.3	56.3	70.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC 64.5 66.6 63.8 54.5 54.3 54.7 56.3 56.5 54.6 52.0 49.2 44.1 37.7	58.1	70.3

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-400

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 400
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	99.3	106.5	109.5	111.4	116.8	118.1	121.3	122.5	123.8	121.5	118.6	119.9	119.9	118.1		126.2	131.6
	117.0	117.3	117.3	116.6	114.4	112.2	110.8	110.0	108.0	107.5	107.4	102.3	104.1				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	99.4	106.7	109.9	112.0	117.7	118.4	121.9	122.7	123.3	119.9	113.1	109.9	108.3	108.0		117.6	129.5
	107.0	104.7	103.5	102.7	102.2	101.8	101.2	101.2	100.5	100.3	101.9	98.4	98.8				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	99.2	106.4	109.0	110.7	115.6	117.8	120.6	122.4	124.1	122.6	120.9	122.7	122.8	120.9		128.9	133.1
	119.8	120.2	120.2	119.6	117.3	115.0	113.6	112.7	110.6	110.0	109.8	104.3	106.4				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	92.8	100.1	102.5	103.2	104.9	107.1	106.4	104.3	103.8	100.8	100.2	102.6	103.2	102.2		110.9	116.0
	101.8	101.5	101.3	100.9	100.0	99.6	98.0	97.1	95.2	94.2	92.1	90.4	88.8				
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	90.5	97.1	99.5	98.9	95.3	94.4	93.8	90.5	89.4	86.2	85.8	88.3	88.7	87.8		95.0	105.9
	87.2	87.0	86.2	84.7	83.4	82.4	79.7	77.0	73.3	71.0	67.2						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	85.4	91.9	94.3	93.2	89.0	77.8	79.9	79.1	75.2	72.2	73.1	74.0	74.4	74.8		82.0	99.0
	75.7	74.4	73.9	72.1	70.2	67.6	63.9	59.5									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	75.0	81.5	83.6	81.3	75.8	66.0	62.8	63.3	61.4	61.9	63.3	66.5	67.0	67.3		72.7	87.9
	66.5	66.4	64.8	61.8	59.1	54.6											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 29 SEC							
	74.1	78.3	78.8	73.5	66.8				60.5	59.9	61.4	63.5	63.5	62.4		66.0	83.0
	60.9	59.5															
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	67.6	71.0	69.3	64.3	58.3		57.8	57.9	59.2	60.5	61.7	63.2	62.3	60.0		64.0	75.4
	56.7	54.1	49.9	44.7													
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	64.0	68.3	64.6						54.9	55.3	56.6	59.4	59.6	58.4	55.7	60.2	70.6
	52.8	50.6															
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 38 SEC							
		65.5	62.9						56.6	57.9	59.6	61.1	61.7	61.4	57.9	62.3	71.0
	54.4	51.0	45.7	39.4													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-401

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 401
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	99.8 106.0 109.5 111.2 116.6 118.0 121.4 123.1 123.7 121.5 118.8 120.2 120.0 118.1	126.2	131.7
	117.1 117.6 117.4 116.7 114.3 112.0 110.6 109.9 107.7 107.2 107.2 101.9 103.8		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	99.9 106.1 109.9 111.8 117.5 118.2 122.0 123.2 123.3 119.9 113.1 110.1 108.4 108.0	117.8	129.5
	107.1 105.0 103.7 103.0 102.8 102.4 101.6 101.7 100.9 100.6 102.1 98.4 98.9		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	99.7 105.8 109.0 110.5 115.4 117.7 120.7 122.9 124.0 122.6 121.1 123.0 122.9 120.8	128.9	133.2
	119.9 120.5 120.4 119.6 117.2 114.8 113.3 112.5 110.3 109.8 109.4 103.8 106.1		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC		
	93.1 99.5 102.4 102.9 104.7 107.0 106.4 104.7 103.4 100.0 99.4 101.9 102.0 101.0	110.4	115.7
	100.8 101.1 101.0 100.6 99.7 99.2 97.8 97.1 95.1 94.2 92.2 90.0 88.0		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC		
	90.9 96.4 99.6 98.7 95.4 94.5 94.0 91.5 89.7 86.2 86.1 87.6 88.2 87.3	94.2	105.8
	86.0 85.3 85.3 84.3 83.2 81.7 78.3 75.5 71.7 69.6		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC		
	85.6 91.2 94.3 93.0 88.7 77.1 80.6 79.8 75.6 72.1 71.9 73.8 73.9 73.6	80.9	98.8
	74.1 73.3 72.6 70.6 69.1 66.5 62.7 58.0		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC		
	75.7 81.1 84.0 81.3 75.5 64.4 63.9 63.9 63.0 61.5 63.4 66.6 66.9 66.9	72.4	88.0
	66.3 65.9 64.1 61.6 58.7 54.3		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC		
	72.5 77.6 78.8 73.3 65.9 62.2 59.4 59.5 58.1 58.1 59.9 62.6 63.2 62.7	66.7	82.8
	61.1 59.9 57.0 52.1 47.4		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC		
	68.5 67.7 55.4 55.7 55.2 57.4 60.2 60.4 59.2	62.7	72.2
	57.2 55.0 50.9 45.5		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 37 SEC		
	63.5 64.3 62.1 52.9 52.9 55.2 56.1 56.1 55.1	58.4	68.7
	53.3 51.4		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 42 SEC		
	63.3 61.8 54.6 54.6 54.6 55.7 57.3 57.5 56.0	59.5	68.2
	53.5 51.0 46.1 39.4		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-402

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 402
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.4	106.1	109.7	111.6	116.7	118.0	121.0	122.8	123.6	121.3	118.6	120.2	120.1	118.1	126.2	131.6
	117.0	117.3	117.2	116.7	114.4	112.0	110.7	110.0	107.9	107.4	107.4	102.2	104.0			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.6	106.2	110.1	112.3	117.6	118.2	121.6	123.0	123.2	119.7	112.9	110.1	108.3	107.7	117.7	129.4
	106.9	104.5	103.2	102.8	102.5	102.4	101.9	102.0	101.5	101.4	103.2	99.4	99.8			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.3	105.9	109.2	110.9	115.6	117.7	120.3	122.6	124.0	122.5	121.0	122.9	122.9	120.9	128.9	133.1
	119.8	120.2	120.2	119.6	117.3	114.8	113.4	112.6	110.4	109.8	109.5	103.8	106.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	93.0	99.6	102.6	103.2	104.8	107.0	106.0	104.5	103.3	99.8	99.1	101.8	102.3	101.2	109.9	115.5
	100.8	100.7	100.4	99.9	99.0	98.4	96.7	95.9	94.0	93.0	90.9	88.9	86.8			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	90.5	96.5	99.6	98.9	95.4	94.3	93.3	90.8	88.9	85.7	85.6	87.5	87.3	86.2	93.8	105.7
	85.4	85.5	85.7	83.8	82.5	80.9	77.6	75.3	71.7	69.7						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	85.6	91.3	94.4	93.1	88.8	76.6	79.4	78.2	74.4	71.0	71.5	74.3	75.1	73.7	80.7	98.8
	73.4	73.1	72.2	70.2	68.7	66.2	62.1	57.5								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	75.6	81.3	84.4	81.7	75.5	64.9	64.1	65.2	64.8	62.8	64.3	67.5	67.7	67.7	73.3	88.3
	66.9	66.9	65.3	62.6	59.5	55.3										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	72.8	78.3	79.7	74.6	66.7	62.9	60.8	59.2	59.0	57.5	59.4	62.3	62.6	62.2	66.2	83.5
	60.9	59.4	56.3	52.9	47.1											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	64.1	66.5	64.2							51.2	53.6	54.8	54.9	53.2		
	50.9															
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC						
		65.4	63.7							53.0	53.3	53.9	55.3	56.7	56.9	55.3	58.6	69.2
	52.9	50.0	44.4	38.6												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-403

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 403
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	99.6	105.6	108.5	110.0	114.0	114.5	116.3	116.1	114.9	111.4	108.5	109.5	109.2	108.5	118.1	124.5
	107.6	107.3	108.2	109.3	108.4	106.6	104.6	103.8	101.6	100.7	100.9	96.2	96.0			
S	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	99.7	105.7	108.7	110.5	115.2	114.5	117.1	117.2	115.8	111.4	105.3	101.8	98.4	98.0	111.1	124.0
	96.7	95.2	93.9	95.1	96.7	96.8	96.0	98.3	97.6	98.5	99.1	95.3	94.7			
T	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	99.5	105.5	108.2	109.5	112.3	114.6	115.3	114.6	113.9	111.4	110.4	112.1	112.1	111.3	120.7	125.0
	110.4	110.2	111.1	112.2	111.2	109.4	107.3	106.1	103.6	102.1	102.2	97.0	97.0			
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	90.7	97.2	99.6	98.1	94.5	94.9	92.0	88.0	85.2	84.0	86.5	90.1	91.8	92.6	102.6	107.1
	93.0	94.8	96.0	94.7	92.8	91.1	88.2	84.5	82.7							
C	DIST FROM SOURCE: 423 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	85.7	92.1	94.7	90.8	83.2	79.5	79.6	79.9	80.1	80.2	84.1	87.8	90.5	92.2	98.9	102.4
	92.2	93.4	92.2	88.8	85.5	83.4	80.3	74.6	72.4							
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	80.1	86.3	85.4	74.6	65.4	67.8	66.8	69.3	70.9	73.3	75.0	79.4	82.6	83.8	85.7	92.4
	80.5	78.3	74.6	68.4	63.3	58.2										
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	73.5	76.0	72.9	68.0	64.2		64.4	65.1	68.1	71.5	73.9	77.7	76.6	77.4	80.3	85.6
	75.6	72.6	68.7	60.6	55.3											
G	DIST FROM SOURCE: 2079 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	75.2	75.1	73.1	70.4	69.2	62.8	63.2	66.8	68.4	70.4	72.8	75.1	75.5	73.8	77.1	84.1
	71.4	68.3	63.5	54.4	45.2											
H	DIST FROM SOURCE: 2273 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	73.7	73.6	72.4	69.5	67.4	62.5	61.0	64.6	68.5	70.8	73.7	75.2	75.5	73.0	76.4	83.5
	69.2	66.1	60.8	51.6												
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 28 SEC		
	70.8	70.6	70.3	68.6		62.0	59.1	62.4	65.6	67.3	70.0	72.2	71.9	69.3	73.2	80.5
	67.1	63.8	58.7	50.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 405
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-405

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	98.9	104.9	108.2	110.0	114.0	114.6	116.4	116.3	115.1	111.7	108.7	109.4	109.3	108.9		118.5	124.7
	108.0	108.5	109.6	110.2	108.6	106.2	103.9	103.8	101.8	100.9	100.7	95.9	95.5				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	98.9	104.9	108.4	110.5	115.2	114.6	117.3	117.5	116.1	111.8	105.7	101.7	98.7	98.2		112.0	124.2
	97.2	96.9	96.2	97.1	98.5	98.9	98.4	100.7	99.4	99.8	99.1	95.1	94.2				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 37 SEC		
	98.8	104.8	108.0	109.5	112.4	114.7	115.4	114.6	113.8	111.6	110.4	112.0	112.2	111.3		121.0	125.1
	110.8	111.3	112.5	113.1	111.4	108.8	106.2	105.6	103.4	101.7	101.8	96.6	96.4				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	90.3	96.8	99.7	98.4	94.7	94.7	92.4	88.8	86.5	86.0	87.4	90.5	92.3	93.1		103.6	107.5
	93.3	94.9	96.4	96.4	94.5	91.6	89.5	85.8	83.9	81.6							
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 37 SEC		
	86.1	92.1	94.9	91.4	83.9	79.2	77.0	78.4	79.2	80.8	83.6	88.3	91.8	93.9		99.0	102.8
	93.5	92.9	90.5	89.1	85.7	83.9	81.9										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 37 SEC		
	80.4	86.2	85.4	74.2	65.0	69.5	71.2	73.0	73.4	76.1	77.2	79.4	82.4	86.0		87.3	93.1
	82.4	80.1	76.4	69.4	64.8	59.3											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	74.0	77.3	72.1	67.4	65.0		64.6	67.2	69.2	72.6	73.6	76.5	78.9	79.3		81.8	86.2
	76.9	74.4	70.6	63.5	55.9												
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 31 SEC		
	77.0	76.0	72.5	69.8	69.5	66.5	66.0	68.4	69.6	71.8	73.8	76.9	77.8	78.1		80.2	86.1
	74.1	72.4	68.2	59.3	49.8												
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	74.8		71.5	69.1	68.3	65.8	65.4	68.6	71.6	71.4	75.5	76.3	77.7	77.6		80.4	85.7
	75.2	73.1	67.7	58.9	48.4												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	71.8	73.4	70.0	68.3		64.8	65.8	68.0	71.1	70.2	74.3	75.0	76.3	75.4		78.4	84.0
	73.7	69.9	63.9	55.0													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-406

DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 406
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 98.5 104.7 108.1 109.5 114.0 114.5 116.4 116.1 115.1 111.6 108.5 109.4 108.9 108.3 107.2 107.2 108.4 109.5 108.6 106.6 104.3 103.5 101.6 100.6 100.7 96.2 95.7	118.1	124.5
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 98.5 104.8 108.4 110.1 115.2 114.4 117.2 117.3 116.0 111.7 105.3 101.7 98.0 97.6 96.0 94.7 93.5 94.6 96.3 96.7 96.5 99.0 97.9 98.7 98.7 95.1 94.1	111.1	124.0
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 31 SEC 98.4 104.6 107.8 108.9 112.4 114.5 115.4 114.6 114.0 111.6 110.4 112.0 111.8 111.1 110.1 110.1 111.3 112.5 111.5 109.4 106.9 105.6 103.6 102.0 102.0 97.0 96.9	120.7	124.9
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC 90.2 96.8 99.7 98.1 94.8 95.1 93.1 89.3 86.8 85.0 85.7 88.3 90.0 90.1 90.1 91.1 91.1 91.4 92.1 90.3 86.1 83.4	100.1	106.3
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 34 SEC 85.6 91.7 94.6 91.0 83.3 80.7 79.4 79.8 80.4 80.3 82.4 86.0 89.2 90.9 90.3 90.4 88.9 85.7 82.9 81.2 78.0 72.2	96.3	101.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 79.9 85.9 84.5 74.1 66.8 70.7 73.8 76.5 77.8 78.3 79.9 83.9 85.8 86.6 84.4 82.6 77.8 71.0 70.6 65.0	89.3	94.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 73.6 76.1 71.8 67.4 65.3 65.1 68.1 71.4 73.9 75.7 79.2 79.9 79.3 77.6 75.2 69.3 62.1 58.0 52.6	82.5	87.1
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 32 SEC 75.8 71.8 69.4 68.7 65.2 65.5 68.5 72.3 74.6 75.9 78.4 78.1 77.3 74.5 72.3 66.9 58.0 50.7 44.2	80.4	86.0
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 34 SEC 74.0 71.4 69.2 67.8 63.2 64.2 68.8 73.1 75.6 76.2 79.4 79.8 79.9 76.9 73.3 68.0 58.6 49.7 44.7	82.2	87.1
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC 71.1 71.5 69.6 68.3 63.1 64.6 68.6 73.2 74.8 74.9 77.8 78.5 77.5 75.2 71.8 65.8 55.8 48.6	80.4	85.7

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 407
DATE 13 JAN 81

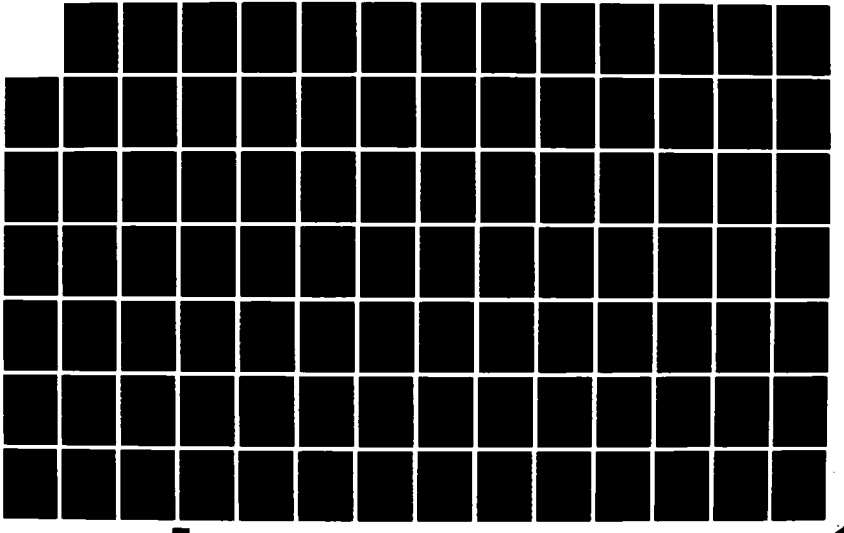
MICROPHONE
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-407

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																							AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K		
U	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION 34 SEC				
	100.1	106.6	110.1	112.6	116.5	118.4	121.2	122.5	123.6	121.3	118.5	119.7	119.7	118.[illegible]	116.8	117.2	117.0	116.6	114.5	112.2	110.8	110.1	108.0	126.1	131.5
	107.3	107.3	101.8	103.9																					
S	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION 34 SEC				
	100.2	106.8	110.5	113.2	117.4	118.6	121.8	122.6	123.1	119.6	113.1	109.5	107.7	107.[illegible]	106.6	104.2	102.9	102.1	101.8	101.1	100.4	100.5	99.6	117.3	129.3
	99.3	100.7	96.9	97.4																					
T	DIST FROM SOURCE: 66 METERS																				OVERALL SAMPLE DURATION 34 SEC				
	100.1	106.5	109.6	111.8	115.4	118.2	120.5	122.4	124.0	122.5	120.8	122.5	122.6	120.[illegible]	119.6	120.1	120.0	119.5	117.4	115.1	113.6	112.9	110.7	128.8	133.0
	110.0	109.8	104.1	106.4																					
A	DIST FROM SOURCE: 134 METERS																				OVERALL SAMPLE DURATION 36 SEC				
	93.7	99.8	103.0	104.0	104.5	107.4	106.3	104.2	103.2	100.0	99.2	101.4	102.0	100.[illegible]	100.6	100.5	100.4	99.3	98.0	97.2	95.5	94.6	92.9	109.3	115.5
	91.8	89.6	88.1	86.2																					
B	DIST FROM SOURCE: 238 METERS																				OVERALL SAMPLE DURATION 34 SEC				
	91.1	96.6	99.9	99.3	95.3	94.9	93.3	90.7	88.7	85.0	84.7	86.6	87.4	86.[illegible]	85.8	85.0	84.7	82.9	81.7	80.6	77.4	74.9	71.1	93.4	105.8
	68.9																								
C	DIST FROM SOURCE: 431 METERS																				OVERALL SAMPLE DURATION: 35 SEC				
	86.6	91.6	94.8	93.6	89.3	76.9	78.8	77.3	73.2	68.2	69.6	71.3	71.8	71	72.2	71.5	70.9	68.7	67.1	64.7	60.1			79.1	99.2
D	DIST FROM SOURCE: 753 METERS																				OVERALL SAMPLE DURATION: 34 SEC				
	76.7	81.7	84.6	82.1	75.9	65.6	61.2	63.0	62.6	62.2	63.0	65.9	66.0	66.[illegible]	65.4	65.1	63.6	60.9	58.1	53.8				71.7	88.6
E	DIST FROM SOURCE: 1255 METERS																				OVERALL SAMPLE DURATION: 34 SEC				
	72.9	78.0	79.1	74.3	66.2	62.0	59.1	59.5	58.1	60.0	62.8	63.6	62.9		61.8	60.2	57.3	52.7	47.8					67.1	83.2
G	DIST FROM SOURCE: 2087 METERS																				OVERALL SAMPLE DURATION: 34 SEC				
	64.1	66.1	62.3				53.2	52.7	52.3	54.3	55.2	55.7	54.6		52.1	50.0								57.6	69.8
I	DIST FROM SOURCE: 2377 METERS																				OVERALL SAMPLE DURATION: 35 SEC				
	64.7	65.7	62.9	55.6						56.1	57.0	56.8	55.5		53.2	50.4	45.5	39.1						58.7	69.9

AD-A191 289 OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1 5/8
EXPERIMENTAL STUDY FOR..(U) HARRY G ARMSTRONG AEROSPACE
MEDICAL RESEARCH LAB WRIGHT-PATTE.. R G POWELL JUN 87
UNCLASSIFIED AAMRL-TR-84-017-VOL-1 F/G 20/1 NL



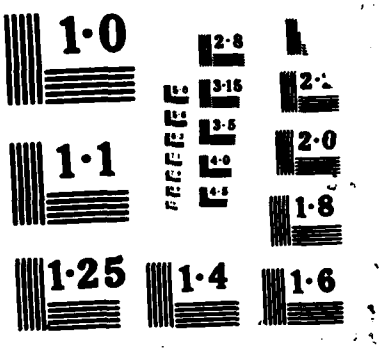

1·0
1·1
1·25
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TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 408
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-408

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	100.2	106.6	110.2	112.3	116.3	118.4	121.3	122.8	123.4	121.3	118.7	119.6	119.7	117.9		126.0	131.5
	116.8	117.0	116.9	116.6	114.4	112.2	110.6	109.9	107.9	107.4	107.2	101.7	103.8				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	100.3	106.8	110.7	112.9	117.2	118.6	121.8	122.9	123.0	119.6	113.0	109.5	108.0	107.2		117.1	129.3
	106.5	103.9	102.7	101.7	101.2	100.7	99.8	100.0	99.3	98.6	100.2	96.1	96.7				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	100.0	106.5	109.8	111.6	115.2	118.3	120.6	122.7	123.8	122.5	121.0	122.4	122.6	120.7		128.7	133.0
	119.6	119.9	119.9	119.5	117.3	115.0	113.5	112.7	110.6	110.1	109.7	104.0	106.3				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	93.9	100.1	103.2	103.9	104.5	107.6	106.6	104.8	103.5	100.3	99.4	101.5	101.8	100.5		108.7	115.5
	100.0	99.8	99.6	98.6	97.1	96.6	94.8	94.0	92.0	90.6	88.3	86.3	84.8				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	91.3	96.9	100.2	99.3	95.6	95.5	94.0	91.6	89.4	85.9	85.4	86.4	86.1	84.9		92.0	106.0
	84.0	82.8	82.3	81.0	80.2	79.2	75.7	73.4	69.3	68.6							
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	86.8	91.9	95.0	93.5	88.9	76.2	80.5	79.1	75.6	71.1	71.5	73.5	74.0	73.4		80.8	99.4
	73.9	73.0	72.7	70.4	68.9	66.5	62.6	58.1									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	77.1	82.0	85.2	82.2	75.6	64.9	63.7	63.9	62.7	62.9	64.0	66.8	67.4	67.3		72.8	88.9
	66.7	66.2	64.7	61.9	59.0	54.8											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	74.3	79.1	80.3	74.3	66.1	62.3	59.7	60.5	60.1	59.0	60.7	63.5	64.1	64.1		68.2	84.2
	62.9	61.7	58.7	54.3	49.3												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	66.6	68.0	64.6							53.2	52.0	52.2	54.6	55.4	55.8	54.5	57.8	71.1
	52.3	50.5															
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	67.2	67.4	65.1	55.8									55.9	57.1	57.0	55.8	59.0	72.3
	53.8	50.6	45.4	39.6													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-409

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 409
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.8	106.9	110.4	112.5	116.5	118.3	121.4	122.7	123.3	121.4	118.6	119.5	119.8	117.9	126.0	131.5
	116.8	117.0	116.9	116.5	114.4	112.3	110.8	110.0	107.9	107.2	107.2	101.7	103.7			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.9	107.0	110.8	113.1	117.4	118.4	121.9	122.8	122.9	119.7	112.9	109.5	107.9	107.1	116.9	129.3
	106.4	103.7	102.5	101.4	100.7	100.2	99.3	99.3	98.9	98.1	99.4	95.7	96.4			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.7	106.8	109.9	111.8	115.5	118.1	120.7	122.6	123.7	122.6	120.9	122.3	122.7	120.7	128.7	133.0
	119.6	119.9	119.9	119.4	117.3	115.1	113.6	112.8	110.6	110.0	109.8	104.1	106.3			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	93.6	100.5	103.5	104.0	104.8	107.3	106.8	104.7	103.6	100.6	99.5	101.6	102.3	100.9	108.7	115.6
	100.1	99.8	99.6	98.7	97.1	96.3	94.4	93.4	91.2	89.7	87.8	86.0	84.7			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	90.9	97.2	100.4	99.3	95.8	95.2	94.3	91.6	89.5	86.4	85.5	87.2	87.2	85.9	93.0	106.2
	84.4	83.7	84.1	82.6	81.6	80.1	76.8	74.2	70.4	68.7						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	86.6	92.4	95.5	93.8	89.4	76.6	81.1	80.4	77.2	72.9	72.8	73.7	74.2	73.4	81.0	99.8
	74.3	73.6	72.8	70.3	68.6	66.2	62.1	57.6								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	77.0	82.6	85.6	82.8	76.6		64.5	65.4	64.4		65.3	67.5	68.3	68.5	73.7	89.4
	67.9	67.0	65.4	62.8	60.0	55.6										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	74.3	80.1	81.1	75.7	67.9			61.7						63.7	67.0	84.9
	62.5	61.5	58.8	54.3	49.5											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	66.7	69.5	67.6									58.0	57.0	55.7		
	53.3	51.0														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-410

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 410
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.1	104.3	107.4	109.1	113.9	113.8	115.8	116.5	115.4	111.1	108.8	109.6	109.3	109.0	118.3	124.5
	108.3	108.1	108.9	109.4	108.3	106.5	104.5	103.7	101.8	100.6	100.7	96.1	96.0			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.1	104.4	107.6	109.5	115.0	113.7	116.5	117.6	116.3	111.1	105.7	101.7	98.5	98.0	110.8	123.9
	96.6	95.2	94.2	94.5	96.2	96.6	95.9	97.8	98.0	97.8	98.0	94.8	94.4			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.1	104.2	107.2	108.6	112.3	113.8	115.0	115.0	114.2	111.2	110.5	112.2	112.2	111.8	120.9	125.0
	111.1	111.0	111.9	112.4	111.1	109.3	107.2	106.1	103.7	102.3	102.3	97.2	97.2			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	90.9	96.6	99.0	97.9	94.5	95.0	92.4	89.7	87.5	85.5	88.2	91.9	93.3	94.4	103.9	107.6
	94.7	96.1	96.3	95.9	94.8	92.4	88.6	87.1	83.7							
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 23 SEC						
	86.4	91.4	94.0	90.3	83.1	80.3	80.0	80.9	80.7	81.7	84.5	87.6	90.9	92.6	99.8	102.8
	93.5	94.5	93.2	90.0	86.7	83.9	82.5									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	81.1	86.0	84.9	73.8	65.8	71.7	74.5	75.9	76.5	75.3	78.1	83.6	84.8	86.1	89.8	94.5
	86.0	84.0	79.6	74.4	68.3	65.0										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	75.8	76.5	73.1	67.8	65.1	66.2	72.4	74.8	76.0	77.4	80.8	82.1	83.4	84.3	86.4	91.0
	81.3	78.6	72.7	66.3	61.4	55.7										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	77.8	75.8	72.9	69.4	68.5	67.5	73.3	76.3	77.5	78.2	80.5	81.5	82.5	80.8	84.2	90.0
	78.3	76.0	71.2	62.1	54.5	50.5										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 23 SEC						
	76.4									74.3	74.9	76.3	79.7	81.0	80.3	82.6	87.4
	76.9	73.9	69.0	60.0												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 23 SEC						
	73.5	71.7	70.3	67.7		66.3	68.3	71.1	74.0	73.9	74.5	79.4	79.3	78.0	81.0	86.5
	75.4	72.2	65.8	56.9	50.6											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-411

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 411
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	98.4	104.5	107.8	109.2	113.4	113.8	116.0	116.3	115.1	111.4	108.8	109.4	108.9	108.5		118.8	124.5
	107.7	108.6	109.8	110.5	109.1	107.0	104.7	104.2	102.3	101.2	101.2	96.7	96.3				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	98.5	104.6	108.0	109.7	114.6	113.8	116.7	117.4	116.0	111.4	105.8	101.6	98.3	98.1		111.6	123.8
	96.6	96.2	95.7	95.9	97.5	98.1	97.9	99.9	99.1	99.3	99.5	95.8	94.9				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	98.3	104.4	107.5	108.7	111.8	113.9	115.2	114.8	113.9	111.3	110.6	112.0	111.7	111.3		121.3	125.1
	110.5	111.5	112.7	113.4	112.0	109.7	107.2	106.3	104.2	102.4	102.5	97.5	97.3				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	89.9	96.6	99.0	97.4	94.1	95.3	91.6	87.7	85.3	85.3	88.6	92.5	94.8	95.6		104.6	107.9
	95.4	97.1	97.5	96.3	94.9	92.4	89.2	87.7	85.6	83.6							
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	84.4	91.1	93.7	90.0	82.0	78.2	78.1	77.7	76.6	77.4	81.4	85.3	88.9	91.6		98.2	101.6
	91.9	93.1	91.6	88.1	84.9	81.7	78.9	73.7	71.0								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	79.7	85.7	84.7	74.9	65.0	67.7	69.3	69.6	71.0	71.2	74.6	78.7	81.1	82.2		85.4	91.8
	81.9	78.2	75.0	69.4	64.1	57.9											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 37 SEC							
	73.9	76.0	72.6	68.0	64.5	65.8	69.2	71.7	71.1	72.2	75.5	79.3	79.0	79.5		81.8	87.0
	75.8	74.3	68.8	61.7	56.0												
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	75.2	75.0	72.6	70.0	68.5		67.3	71.4	70.2	71.9	75.4	76.0	77.7	76.8		79.3	85.5
	73.0	70.8	66.3	57.7	48.0												
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	73.3	73.2	71.9	69.6	67.6	62.5	65.0	65.6	67.9	70.0	72.5	74.8	75.5	75.1		77.5	83.8
	71.9	68.1	63.9	55.1	46.0												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	70.6	70.9	69.8	68.3		62.4	63.1	64.9	67.3	68.5	70.7	73.4	73.3	73.1		75.8	81.9
	70.9	67.2	61.5	52.8													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-412

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 412
DATE 13 JAN 81

MICROPHONE:
ARRAY D6

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	98.6	104.5	107.1	109.0	113.6	113.9	116.2	116.3	115.0	111.4	108.7	109.4	108.8	108.6	118.4	124.4
	107.6	108.1	109.1	109.8	108.5	106.7	104.6	103.8	101.8	100.5	100.7	96.1	95.9			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	98.6	104.6	107.3	109.5	114.8	114.0	116.9	117.4	115.8	111.4	105.5	101.8	97.9	97.7	110.8	123.8
	96.1	95.4	94.5	94.9	96.3	96.6	95.7	97.7	97.3	98.0	98.2	94.9	94.6			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	98.5	104.4	106.9	108.5	112.0	113.9	115.3	114.8	113.9	111.4	110.6	112.1	111.6	111.4	121.0	124.9
	110.4	111.0	112.1	112.7	111.4	109.5	107.3	106.2	104.0	102.1	102.3	97.1	96.9			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	90.3	96.6	98.4	97.4	94.4	95.2	92.3	89.0	86.1	86.1	88.9	93.2	95.5	96.9	105.5	108.5
	97.3	98.9	98.5	96.6	94.7	93.0	89.9	87.9	84.1	82.7						
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 29 SEC						
	86.2	92.1	93.8	90.0	82.0	79.9	80.5	80.7	80.7	81.8	84.0	87.1	90.3	92.9	98.8	102.3
	92.5	93.6	92.0	88.7	84.7	82.7	80.9									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	80.6	86.0	84.1	72.9	65.2	69.2	70.6	73.1	74.7	75.9	77.6	80.9	82.4	85.8	87.5	93.0
	82.0	80.6	77.8	71.6	66.0	62.7										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	75.0	76.4	72.1	67.0			67.2	70.5	72.7	75.3	78.6	80.0	80.6	80.8	83.5	88.4
	78.2	76.1	70.9	63.2	56.9	52.5										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	77.0	75.5	72.2	69.4	68.0	67.7	71.2	73.8	74.9	76.4	77.3	80.1	81.1	80.9	84.0	89.0
	79.2	76.8	71.9	62.9	56.1											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	75.1	74.1	71.8	68.4		64.2	66.9	69.8	73.3	74.8	75.7	79.1	78.7	77.7	80.6	86.5
	74.8	71.3	65.5	56.3	47.1											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 30 SEC						
	72.5	71.7	69.9	67.4		64.3	67.4	70.5	73.3	73.0	74.3	78.2	78.0	77.4	80.0	85.6
	73.9	71.4	64.5	55.5	49.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 413
DATE 13 JAN 81

MICROPHONE:
ARRAY D5

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-413

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 101.8 107.2 110.6 112.2 116.8 118.5 121.4 123.1 124.0 122.2 120.1 120.0 120.8 118.8 117.4 118.2 118.1 117.3 115.6 113.7 112.0 111.2 111.6 107.9 107.8 103.3 103.5	127.1	132.2
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 101.3 107.3 111.0 112.9 117.7 118.8 122.0 123.2 123.7 120.5 114.0 110.4 108.7 108.6 107.3 104.9 103.5 102.1 101.7 101.1 100.3 100.5 100.5 99.0 99.7 96.4 96.3	117.8	129.8
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 37 SEC 102.2 107.1 110.1 111.4 115.7 118.1 120.8 122.9 124.2 123.4 122.6 122.8 123.7 121.5 120.2 121.1 121.0 120.2 118.5 116.5 114.8 114.0 114.4 110.7 110.5 105.9 106.1	129.8	133.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 37 SEC 99.4 100.1 102.9 103.3 104.3 107.2 105.7 104.0 103.0 99.7 99.2 101.4 102.2 101.5 101.0 100.7 99.9 99.0 97.6 96.8 99.0 94.2 92.1 90.5 87.9 86.0 84.8	109.1	115.3
B	DIST FROM SOURCE: 230 METERS OVERALL SAMPLE DURATION: 37 SEC 90.6 96.8 99.9 98.9 99.4 94.5 93.3 90.8 89.0 85.6 84.9 86.0 86.8 85.8 84.4 84.0 84.2 82.3 80.6 79.2 75.9 73.2 69.2 67.7	92.6	105.7
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 38 SEC 86.3 91.8 94.7 93.2 89.3 78.2 78.2 77.5 79.2 71.1 71.3 72.5 73.8 74.2 74.2 73.3 73.1 70.8 69.1 66.4 62.0 57.3	80.9	99.2
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 38 SEC 75.6 81.5 84.3 81.3 75.2 65.4 60.0 59.1 60.5 63.6 63.9 63.8 63.2 62.6 60.5 57.6 54.3 50.1	69.1	88.0
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 38 SEC 74.1 79.1 80.4 74.1 66.7 57.1 55.9 57.8 56.4 58.5 60.5 61.4 60.9 59.6 57.8 54.4 49.7 44.7	64.9	84.1
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 38 SEC 68.9 72.5 71.2 64.1 58.0 53.9 53.1 53.4 53.5 55.3 57.9 58.1 56.9 54.8 52.8 48.5 42.6	60.4	76.5
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 38 SEC 51.4 49.2 51.4 51.6 51.1 53.4 54.8 55.0 53.6		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 414
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-414

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 101.8 107.3 110.7 112.8 117.1 119.1 122.0 123.1 124.3 122.4 120.2 120.1 120.8 118.8 117.7 118.4 118.4 117.3 115.4 113.3 111.6 110.8 110.9 107.4 107.5 103.0 103.1	127.1	132.4
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 101.5 107.4 111.2 113.5 118.0 119.4 122.5 123.3 124.0 120.8 114.3 110.7 109.0 109.1 107.9 105.5 104.3 102.6 101.9 101.5 100.8 100.7 100.4 98.7 99.2 95.9 95.7	118.1	130.1
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC 102.1 107.1 110.3 111.9 116.0 118.8 121.3 122.9 124.6 123.6 122.6 122.8 123.7 121.6 120.5 121.3 121.3 120.3 118.3 116.2 114.4 113.6 113.7 110.1 110.2 105.6 105.7	129.8	133.9
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 93.6 100.1 103.1 103.9 104.8 108.0 106.2 104.2 103.7 101.0 100.5 102.3 102.9 102.1 101.4 101.4 100.9 99.7 98.2 97.5 95.7 94.8 93.0 91.6 89.1 87.2 85.6	109.9	115.9
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC 90.7 96.7 99.9 99.2 96.0 94.9 93.2 90.4 88.8 85.5 85.5 87.0 87.2 86.4 84.2 83.1 82.8 82.0 80.3 78.5 75.2 73.1 69.8 67.4	92.4	105.8
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 36 SEC 86.4 91.8 95.0 93.7 90.1 78.3 78.2 78.1 74.7 70.9 71.0 72.2 73.1 72.7 73.1 72.0 71.3 68.9 66.9 64.7 60.4 57.2	79.7	99.5
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 36 SEC 76.2 81.9 84.8 82.1 76.3 66.8 66.1 64.1 61.7 58.9 54.6 61.6 61.7 63.5 67.3 67.1 67.7	72.7	88.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC 75.9 79.7 81.3 75.9 69.6 63.3 59.5 58.9 60.5 59.1 60.9 63.7 64.5 64.3 63.5 61.8 59.1 54.9 49.8	68.6	85.0
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 70.5 72.8 72.3 66.9 56.2 54.3 50.0 44.8 55.4 54.1 54.6 54.3 56.8 58.9 59.6 58.5	61.9	77.9
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 36 SEC 67.8 70.3 69.2 62.4 54.1 51.9 54.9 53.9 53.9 53.9 55.8 57.2 57.6 56.4	59.6	74.3
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 37 SEC 70.1 72.3 70.9 64.1 60.2 57.6 54.6 49.7 43.0 34.4 56.7 58.2 58.0 59.4 61.3 61.8 60.2	63.5	76.4

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
ONEGA 12.2
TEST AA-105-415

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 415
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 101.8 107.2 111.0 113.0 116.9 118.9 122.1 123.0 124.0 122.5 120.2 120.0 120.7 118.8 117.5 118.1 118.0 117.2 115.4 113.5 111.8 111.0 111.1 107.8 107.9 103.2 103.5	127.0	132.3
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 101.3 107.4 111.4 113.7 117.7 119.1 122.7 123.1 123.6 120.8 114.1 110.2 108.3 108.5 107.3 104.5 102.9 101.0 100.4 100.0 99.2 99.4 98.9 97.2 97.5 94.9 95.2	117.5	130.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 102.2 107.1 110.5 112.2 115.9 118.6 121.5 122.9 124.4 123.7 122.6 122.8 123.6 121.6 120.3 121.1 121.0 120.1 118.4 116.4 114.6 113.9 113.9 110.6 110.7 105.9 106.2	129.8	133.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 93.5 100.0 103.4 104.2 104.6 107.8 106.7 104.5 103.8 101.1 100.5 102.1 102.6 101.5 100.2 99.3 98.0 96.4 94.9 94.2 92.4 91.2 88.6 86.8 84.3 83.9	107.8	115.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC 90.6 96.7 100.2 99.6 95.7 94.5 94.0 91.2 89.6 86.6 86.4 87.8 88.0 86.3 84.4 83.9 82.6 80.7 79.3 77.7 74.3 71.8 67.9	92.4	106.0
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC 86.2 91.6 95.0 93.8 89.7 78.2 78.3 77.0 72.5 68.7 69.7 71.9 74.1 73.6 74.1 72.5 71.8 69.3 67.5 64.9 60.6 57.1	80.1	99.4
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC 75.9 81.7 85.1 82.7 76.4 65.2 60.9 62.5 60.1 60.8 61.7 65.0 65.8 66.1 65.2 64.7 62.7 59.9 56.7 52.3	71.2	88.9
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 74.6 79.6 81.3 77.0 70.0 64.1 60.4 58.9 59.4 58.1 59.7 62.4 63.5 63.0 62.0 60.3 57.5 52.8 47.6	67.2	84.0
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 71.3 69.6 57.9 55.4 54.3 54.7 54.9 57.1 59.1 59.6 58.9 56.8 55.1 50.6 45.2	62.3	73.4
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC 66.7 69.5 65.3 58.9 54.6 53.9 55.6 56.9 57.4 56.3 54.2 51.9	59.4	71.4
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC 68.8 69.5 67.7 56.2 56.6 56.7 58.3 60.2 60.5 59.1 56.8 53.7 48.2 41.3	62.4	73.9

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-416

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 416
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	101.6 107.2 110.9 112.7 116.7 118.6 122.0 123.3 124.1 122.4 120.3 120.1 120.7 118.8 117.6 118.0 118.0 117.2 115.6 113.8 112.0 111.4 111.3 108.3 108.3 103.6 103.8	127.1	132.3
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	101.4 107.4 111.3 113.3 117.5 118.9 122.5 123.4 123.7 120.6 114.3 110.4 108.2 108.3 107.0 104.1 102.6 100.5 99.6 98.9 97.8 97.8 97.6 96.1 96.8 94.4 94.7	117.3	130.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	101.8 107.1 110.4 111.9 115.6 118.3 121.3 123.2 124.5 123.6 122.7 122.8 123.6 121.6 120.4 120.9 121.0 120.2 118.6 116.7 114.9 114.3 114.3 111.2 111.1 106.3 106.5	129.9	133.9
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC		
	93.5 100.0 103.3 103.7 104.4 107.5 106.4 104.6 103.5 100.6 100.0 101.6 101.9 100.7 99.6 98.7 97.6 96.0 94.2 93.2 91.1 90.1 87.9 85.9 82.9 82.2	107.2	115.2
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC		
	90.7 96.8 100.2 99.3 95.9 94.6 93.9 91.5 90.1 86.6 85.7 86.0 85.4 84.5 83.5 83.3 82.7 81.1 79.2 77.5 74.0 71.7 67.8	91.7	106.0
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 36 SEC		
	86.3 91.6 94.9 93.4 89.8 77.9 79.1 78.2 74.8 70.9 70.8 72.1 72.5 72.7 72.6 72.3 71.7 69.5 67.8 65.0 61.0 56.9	79.8	99.3
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 36 SEC		
	75.1 80.7 84.0 81.1 75.7 65.7 62.2 58.6 58.9 60.1 63.6 63.4 64.0 63.0 62.4 60.0 57.5 54.5 50.2	69.0	87.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC		
	74.2 79.0 80.8 75.1 67.5 57.6 57.7 56.5 59.4 61.8 63.2 62.3 60.8 59.4 56.2 51.8 46.9	66.3	84.4
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC		
	72.5 71.6 66.9 60.7 54.2 54.4 54.0 56.3 58.9 59.6 58.2 56.0 54.5 49.5 44.5	61.8	75.7
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 35 SEC		
	66.5 69.5 67.8 60.3 54.8 55.0 56.8 56.7 55.1 53.3 50.9	58.6	73.1
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC		
	67.8 69.3 67.9 55.7 56.7 56.4 57.6 59.7 59.4 58.0 55.5 52.6 47.7 41.1	61.4	73.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-417

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 417
DATE 13 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	101.7 107.1 110.9 112.7 116.7 118.9 121.6 123.1 123.9 122.2 120.3 119.9 120.7 118.[illegible]	126.8	132.2
	117.3 117.8 117.8 117.0 115.2 113.3 111.7 110.8 110.7 107.7 107.7 103.0 103.3		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	101.4 107.2 111.4 113.4 117.6 119.2 122.2 123.2 123.5 120.5 114.4 110.3 108.4 108.7	117.4	129.9
	107.2 104.5 103.0 101.1 100.4 99.8 99.0 99.0 98.6 96.8 97.4 94.9 94.9		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	102.0 107.0 110.4 111.8 115.6 118.6 120.9 122.9 124.2 123.4 122.7 122.7 123.6 121.5	129.6	133.7
	120.1 120.7 120.7 120.0 118.1 116.3 114.6 113.6 113.6 110.6 110.5 105.7 106.0		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 37 SEC		
	93.3 99.9 103.3 103.7 104.5 107.6 106.0 104.3 103.3 100.4 99.9 101.5 102.0 101.0	107.7	115.3
	100.0 99.2 98.5 97.2 95.4 94.5 92.1 90.9 88.4 86.5 83.4 81.9		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC		
	90.6 96.7 100.3 99.3 95.9 94.6 93.4 91.0 89.5 86.1 86.1 87.1 87.6 86.0	92.3	106.0
	83.5 83.0 83.2 81.8 79.9 78.4 75.0 72.2 68.5 67.1		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC		
	86.5 91.7 95.1 93.6 89.7 76.8 79.0 77.8 73.1 69.4 70.9 72.6 73.7 73.4	80.2	99.4
	73.2 72.7 72.0 69.8 68.1 65.9 62.0		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC		
	76.3 81.9 85.4 82.4 76.8 65.3 61.8 61.5 60.6 59.6 61.8 63.6 64.0 64.3	69.6	89.0
	63.4 63.1 61.1 58.2 55.1 50.9		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC		
	74.8 79.8 81.7 76.2 69.5 63.3 60.4 58.7 57.6 57.6 59.1 61.9 62.7 62.1	66.2	85.3
	60.7 59.1 56.0 51.4 46.4		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 36 SEC		
	70.3 73.4 73.0 67.5 62.1 59.6 58.5 54.6 55.0 55.7 57.6 58.7 58.6 57.2	61.1	78.1
	55.1 53.3 48.8 43.5		
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 36 SEC		
	68.7 70.1 69.1 61.6 53.9 54.4 56.6 56.7 56.3 54.3	58.2	74.9
	52.1 50.2		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 36 SEC		
	69.0 70.3 68.6 59.7 60.0 59.0 56.1 56.3 56.4 58.0 59.8 59.3 57.8	61.9	75.0
	55.2 52.0 47.1 40.5		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-418

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M
A/C 10 FT. PAST STAKES

EVENT:
NUMBER 418
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	98.9	104.1	107.0	108.4	113.6	113.4	116.2	116.3	115.4	111.8	110.3	111.6	112.7	112.2	120.4	125.3
	110.7	111.1	111.5	111.4	109.6	107.6	105.8	105.7	104.5	102.6	102.2	97.6	97.2			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	98.8	104.1	107.2	109.0	114.9	113.6	117.0	117.5	116.3	112.0	107.0	104.0	102.1	102.5	114.0	124.2
	100.3	99.5	98.6	98.6	100.9	101.8	101.3	103.4	102.4	101.8	101.0	96.9	96.3			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	98.9	104.1	106.7	107.8	111.8	113.1	115.1	114.6	114.1	111.5	112.1	114.3	115.5	115.0	122.8	126.1
	113.6	113.9	114.4	114.3	112.3	110.0	107.9	107.3	105.9	103.2	103.1	98.3	98.0			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	95.2	100.7	104.6	105.3	108.3	109.5	108.3	102.0	98.3	96.7	98.3	102.1	103.9	104.3	113.7	117.8
	103.4	104.6	105.1	105.3	105.4	103.4	99.0	96.8	94.3	92.2	88.7	85.6	82.6			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	90.1	96.5	98.5	97.9	95.4	94.2	93.3	89.8	87.1	84.7	87.5	91.6	94.4	95.8	106.8	109.0
	96.2	98.4	99.7	99.7	98.8	94.5	89.5	88.8	84.1	82.4						
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	84.7	90.6	92.7	90.2	83.4	74.1	78.1	78.2	77.4	78.1	82.3	85.3	86.9	87.8	98.5	101.2
	88.6	91.4	92.6	92.3	88.4	82.5	76.0	73.9								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	80.8	87.3	88.3	82.7	71.9	68.1	70.5	69.1	67.7	70.1	74.4	81.4	85.1	87.4	92.8	96.5
	88.4	88.6	84.0	80.5	76.9	69.8	64.4	57.5								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	77.4	83.7	82.8	73.7	65.3	62.4	63.7	64.2	63.8	65.7	70.3	75.9	80.6	82.3	85.6	90.6
	79.9	80.8	77.2	70.4	63.5	56.4										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	70.0	73.8	70.0	65.2						59.3	61.6	67.0	73.2	76.1	76.0	78.4	82.9
	72.9	71.5	67.5	59.9	51.7											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	72.0	73.3	67.5	66.2						60.6	65.7	73.2	75.9	73.8	77.1	82.2
	71.9	69.7	64.4	56.1	46.0											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	70.1	71.9	66.8	65.6						60.4	63.1	68.0	73.5	75.5	72.6	76.3	81.4
	71.0	69.1	62.2	52.5	42.2											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	67.4	69.2	65.3	64.3						68.1	71.7	72.6	68.8		73.0	78.5
	67.1	64.0	58.3	51.5												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-419

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M
A/C 10 FT. PAST STAKES

EVENT:
NUMBER 419
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	98.7	103.9	107.2	108.4	114.0	113.3	115.5	116.1	115.3	111.6	110.3	111.4	112.6	111.8	119.7	124.9
	110.1	110.0	110.4	110.7	109.4	107.3	105.0	104.6	103.5	101.5	101.4	96.8	96.6			
S	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	98.7	103.9	107.4	108.9	115.2	113.5	116.4	117.3	116.2	111.9	107.1	103.6	101.8	102.1	112.8	123.9
	99.6	98.6	97.2	97.2	99.4	100.0	99.2	101.2	100.4	100.1	99.9	96.0	96.0			
T	DIST FROM SOURCE: 75 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	98.7	103.8	106.9	107.7	112.1	113.2	114.3	114.5	114.1	111.3	112.2	114.0	115.4	114.5	122.3	125.8
	112.9	112.9	113.3	113.6	112.2	109.9	107.4	106.5	105.3	102.6	102.5	97.5	97.1			
B	DIST FROM SOURCE: 238 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	90.2	96.1	98.8	98.0	95.5	94.7	92.1	89.1	86.9	86.3	90.0	94.5	97.1	97.8	106.8	109.4
	98.1	100.0	100.3	98.7	96.2	93.5	91.2	87.6	84.1	82.5						
C	DIST FROM SOURCE: 423 METERS															
	OVERALL SAMPLE DURATION: 34 SEC															
	84.6	90.1	92.8	90.2	83.4	74.1	75.2	75.7	74.4	75.6	79.3	82.6	86.8	88.9	97.5	100.6
	89.9	92.0	91.8	89.1	84.4	80.8	78.9	72.9								
D	DIST FROM SOURCE: 753 METERS															
	OVERALL SAMPLE DURATION: 36 SEC															
	80.8	87.3	88.8	83.2	71.5	70.0	70.9	69.8	68.4	69.6	73.1	78.5	82.1	84.1	89.8	95.0
	85.3	85.7	81.3	77.5	72.9	66.5	58.8									
E	DIST FROM SOURCE: 1255 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	77.4	83.3	83.1	74.8	66.7	62.7	64.6	66.2	66.1	64.5	66.8	72.8	77.3	81.1	83.3	89.5
	79.2	77.1	73.6	67.3	59.6	52.7										
F	DIST FROM SOURCE: 1757 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	70.4	73.5	70.4	65.0	63.0					56.8	57.6	61.0	67.4	71.8	73.3	75.2	80.5
	70.5	68.1	65.3	58.2	49.3											
G	DIST FROM SOURCE: 2079 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	72.3	74.0	68.8	66.3	66.1	59.3	57.6	58.8	58.5	59.6	62.8	66.9	71.3	72.1	74.0	80.4
	69.5	66.3	62.6	53.2	42.7											
H	DIST FROM SOURCE: 2273 METERS															
	OVERALL SAMPLE DURATION: 32 SEC															
	71.3	73.1	68.0	65.5	65.4	59.1	57.4	58.4	58.8	59.7	63.5	67.8	70.5	71.7	73.6	79.8
	69.4	66.0	61.4	52.2												
I	DIST FROM SOURCE: 2377 METERS															
	OVERALL SAMPLE DURATION: 35 SEC															
	68.7	70.7	65.4	64.3			57.7	57.7		57.4	58.3	61.9	66.2	69.4	69.7	71.5	77.7
	66.9	63.5	57.7	48.4												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-420

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M
A/C 10 FT. PAST STAKES

EVENT:
NUMBER 420
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 / 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 17 SEC 98.1 103.7 106.8 108.3 113.3 113.1 115.6 115.8 114.8 110.9 109.8 110.8 112.0 111.2 109.7 109.9 110.2 110.2 108.7 107.1 105.1 104.9 103.5 101.7 101.6 97.2 96.7	119.4	124.6
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 17 SEC 98.3 103.8 107.0 108.9 114.5 113.3 116.4 117.1 115.9 111.2 106.7 103.1 101.6 101.7 99.7 99.1 98.0 98.4 100.8 101.2 100.5 102.5 101.5 100.9 100.7 97.0 96.5	113.4	123.7
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 19 SEC 98.0 103.6 106.5 107.6 111.6 112.9 114.5 114.2 113.4 110.5 111.6 113.5 114.8 114.0 112.4 112.7 113.1 113.0 111.4 109.5 107.3 106.4 104.9 102.3 102.3 97.4 96.9	121.8	125.4
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 20 SEC 89.7 96.5 98.9 98.5 96.2 94.1 92.7 89.4 87.3 86.2 90.2 94.3 97.5 98.3 98.3 100.3 100.6 99.0 96.2 92.7 90.4 87.3 82.2	107.0	109.6
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 18 SEC 83.7 90.3 92.6 89.8 82.9 74.0 76.6 77.5 77.8 76.6 81.3 84.9 88.7 90.6 91.5 92.5 91.5 88.0 83.8 82.0 78.0 72.4	97.8	101.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 18 SEC 79.0 86.1 87.4 81.6 72.4 70.5 70.2 70.1 70.4 68.7 73.3 82.0 86.8 88.8 87.0 85.3 83.9 79.2 75.1 69.2 63.9 56.8	91.9	95.9
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 21 SEC 75.4 82.2 81.8 73.1 65.0 60.9 63.4 65.4 64.2 67.8 73.6 78.4 80.5 79.8 78.8 74.5 68.4 61.0 53.7	83.9	89.0
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 18 SEC 68.1 71.8 68.6 61.5 61.9 65.9 71.6 76.2 79.3 78.4 76.2 70.8 63.9 56.8	81.9	84.8
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 10 SEC 69.2 72.1 67.4 63.9 54.9 58.8 58.3 63.1 66.3 70.3 71.3 67.1 65.1 63.4 57.0 44.1	73.0	78.8
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 9 SEC 68.0 71.6 66.4 63.8 56.9 59.8 60.3 64.4 67.3 69.7 70.4 66.3 65.0 62.4 53.5	72.4	78.3
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 9 SEC 65.6 69.0 64.8 62.5 58.8 59.5 60.8 60.3 64.1 66.8 68.6 68.5 66.5 64.8 61.9 54.4	71.6	77.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-421

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M
A/C 10 FT PAST STAKES

EVENT:
NUMBER 421
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	98.3	103.8	106.7	108.0	113.3	113.1	115.6	115.7	114.6	110.6	109.3	110.1	111.0	110.8		118.5	124.2
	109.0	108.5	108.5	108.8	108.0	106.4	104.6	104.1	102.5	100.8	100.9	96.6	96.2				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	98.3	103.9	107.0	108.5	114.5	113.1	116.4	116.7	115.4	110.7	105.9	101.8	100.0	100.7		111.6	123.4
	98.2	97.1	95.3	95.2	97.4	98.3	97.4	99.5	99.2	99.3	99.7	96.2	95.7				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	98.3	103.8	106.5	107.4	111.6	113.0	114.6	114.3	113.6	110.5	111.1	112.7	113.8	113.6		121.8	124.9
	111.8	111.4	111.4	111.7	110.8	109.1	107.2	106.2	104.4	101.9	101.9	96.9	96.7				
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	90.1	96.3	98.1	97.5	95.2	94.7	92.6	88.6	85.3	83.6	86.3	89.4	91.4	92.2		101.4	106.3
	91.9	93.4	93.4	92.7	92.3	90.6	88.2	84.4	82.3								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	84.2	90.3	92.2	88.8	81.0	77.8	77.2	77.2	75.2	76.4	80.2	83.1	85.6	87.4		94.1	98.8
	87.4	88.3	87.2	84.7	81.8	78.8	75.3	69.8									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	80.8	87.4	88.4	82.6	72.2	70.6	71.1	69.1	69.3	69.2	72.8	79.0	82.5	83.8		87.8	94.2
	83.4	82.3	78.4	75.2	70.2	64.8	57.7										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	77.5	83.9	83.0	73.8	65.4	64.7	64.4	64.6	64.6	65.3	69.0	74.8	79.2	79.7		82.3	89.4
	77.2	76.5	71.4	65.4	58.5	51.4											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	70.2	73.9	70.0	64.8					60.5	58.9	60.6	65.2	71.5	73.2	72.2	74.8	80.8
	68.8	67.4	62.9	55.7													
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	72.0	73.6	67.8	66.1	66.1	58.5	58.6	61.2	60.4	62.4	66.6	71.4	71.7	69.6		73.3	80.4
	68.4	64.6	59.7	51.4	41.2												
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	70.6	72.3	66.5	64.8			56.9	58.6	60.0	62.3	67.1	71.2	72.5	71.1		73.4	79.9
	67.7	62.1	57.9	48.1													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	68.4	69.9	64.4	63.9		57.2	56.7		60.6	61.1	64.7	68.1	69.1	66.9		70.0	77.1
	63.9	60.5	55.8	48.5													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-422

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M
A/C 10FT. PAST STAKES

EVENT:
NUMBER 422
DATE 13 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	98.0	103.8	106.7	108.5	113.3	113.0	115.4	115.8	114.9	110.9	109.1	110.3	111.6	111.3	118.6	124.3
	109.4	108.6	108.3	108.8	107.9	106.5	104.6	104.1	102.4	100.7	100.7	96.2	96.0			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	97.5	103.7	106.9	109.0	114.5	113.2	116.1	116.9	115.8	111.0	105.4	102.4	100.5	101.1	111.4	123.4
	98.6	96.6	94.7	94.8	96.9	97.6	96.8	99.2	98.7	98.8	99.0	95.6	95.3			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	98.4	103.9	106.4	107.8	111.6	112.9	114.4	114.4	113.8	110.8	111.1	113.0	114.4	114.0	121.1	125.0
	112.2	111.5	111.3	111.7	110.7	109.2	107.3	106.4	104.4	102.0	101.9	96.8	96.6			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	90.1	96.6	98.6	98.4	95.6	94.9	93.4	90.7	88.8	86.4	88.7	92.5	95.3	96.2	104.6	108.2
	96.2	97.8	97.4	96.1	94.6	91.9	88.4	85.9								
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	84.4	90.6	92.7	90.1	82.6	76.0	77.5	78.4	77.0	78.3	82.7	86.1	88.8	90.0	97.3	100.8
	90.1	91.3	90.6	88.8	85.7	81.1	76.7	72.1								
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	80.7	87.5	88.6	83.2	71.4	68.1	70.1	69.7	70.9	70.6	75.3	82.3	86.5	88.2	93.0	96.8
	88.5	88.1	84.9	80.5	76.0	69.2	63.7	60.5								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	77.4	84.0	83.4	74.5	64.6	61.5	62.5	63.7	64.2	63.0	67.7	75.3	80.4	83.2	85.4	90.7
	79.8	79.6	76.9	69.4	60.5	56.0										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	69.9	74.1	70.7	65.1	61.2					59.1	60.4	66.5	74.6	78.6	79.8	81.1	85.1
	74.7	74.0	70.3	60.9	53.1											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	71.3	73.2	67.8	65.9		58.1	58.3	59.3	59.1	60.2	65.1	72.5	75.9	74.8	76.9	82.1
	71.3	68.4	63.8	55.6	44.4											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	69.2	71.3	66.3	64.9		56.4	55.3	58.5	59.9	61.2	65.5	73.8	76.5	74.8	77.1	82.0
	71.1	68.7	62.3	51.9												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	66.4	68.7	63.9	63.6		56.0				57.5	58.1	62.8	70.9	73.2	70.9	73.7	78.8
	68.1	64.6	58.6	49.7												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-423

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M
A/C 10FT. PAST STAKES

EVENT:
NUMBER 423
DATE 13 JAN 81

MICROPHONE:
ARRAY D6

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 39 SEC 98.0 103.2 106.6 108.5 113.2 113.1 115.3 115.8 114.8 110.9 109.2 110.4 111.5 111.2 109.5 108.9 108.7 108.7 108.0 106.5 104.8 104.3 102.6 101.1 101.2 96.9 96.8	118.7	124.3
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 39 SEC 97.7 103.1 106.7 109.0 114.4 113.3 116.1 116.9 115.7 111.0 105.5 102.4 100.6 101.7 99.3 98.0 96.4 95.8 97.4 98.1 97.4 99.4 98.6 99.2 99.4 96.1 96.1	111.7	123.4
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 39 SEC 98.3 103.3 106.4 107.9 111.4 112.9 114.4 114.3 113.7 110.7 111.2 113.1 114.3 114.0 112.3 111.7 111.6 111.6 110.8 109.2 107.4 106.6 104.7 102.4 102.4 97.5 97.4	121.2	125.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 39 SEC 89.6 95.7 98.0 98.1 95.1 94.2 92.3 88.5 85.2 82.9 85.2 89.9 92.4 93.4 93.3 95.2 96.1 96.0 96.3 94.4 88.8 86.6 83.7	104.1	107.3
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 39 SEC 83.8 89.7 92.2 90.2 83.2 74.0 75.2 74.1 73.4 73.5 76.8 79.6 82.5 83.5 83.9 85.8 87.0 87.3 86.7 82.4 74.8 70.2	94.2	98.5
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 39 SEC 80.5 87.0 88.3 83.7 72.3 70.7 69.7 67.7 65.6 66.8 70.8 76.8 79.8 82.2 82.9 83.7 81.2 76.3 73.3 67.0 58.4	88.2	94.0
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 39 SEC 77.6 83.7 83.5 75.3 63.8 62.3 62.2 65.6 70.4 74.8 78.3 76.7 74.4 72.9 64.7 57.7 49.6	80.9	88.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 39 SEC 70.1 73.8 70.8 65.7 58.0 59.9 64.0 71.0 74.9 75.5 70.4 69.5 64.9 56.3	76.9	81.9
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 38 SEC 71.8 73.2 69.1 67.5 57.0 61.7 67.5 70.3 70.3 67.2 65.0 61.2 53.4 42.7	70.7	78.7
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 38 SEC 69.9 71.6 67.8 67.1 56.8 61.6 65.9 68.1 69.8 67.0 62.7 57.8 49.2	70.8	78.1
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 38 SEC 67.1 68.8 65.5 65.5 59.5 54.7 56.6 59.4 64.3 66.3 66.7 63.3 59.6 54.2 46.8	68.3	75.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-424

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 424
DATE 15 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	101.7	107.5	111.0	113.1	116.8	118.3	121.3	121.9	122.6	121.4	119.2	118.8	119.9	118.2		125.1	131.1
	115.8	115.3	115.3	115.3	113.7	110.7	108.4	108.1	107.8	105.6	105.8	101.4	101.0				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	101.4	107.6	111.2	113.6	117.6	118.5	122.1	122.4	122.5	119.6	113.3	106.3	105.7	107.2		118.0	129.2
	107.3	105.2	104.0	103.1	103.7	103.7	103.1	103.9	104.0	103.8	104.8	100.3	98.8				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	102.0	107.5	110.7	112.5	115.8	118.0	120.3	121.3	122.7	122.7	121.6	121.7	122.8	121.0		127.6	132.4
	118.5	118.1	118.2	118.1	116.4	113.3	110.8	110.2	109.8	106.9	106.7	102.2	102.5				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	93.0	99.4	102.4	103.8	104.7	105.6	102.9	98.6	97.7	97.3	99.1	101.3	102.5	102.5		111.0	115.0
	101.9	101.7	101.2	100.8	100.5	100.5	98.8	97.8	95.7	94.1	91.3	88.7	86.2				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	90.5	96.8	100.3	100.4	98.3	92.2	89.0	85.7	85.6	85.0	88.2	91.0	93.4	93.8		100.9	107.3
	92.3	92.1	92.8	91.5	90.3	89.6	87.1	85.3	82.3	80.7	78.4						
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	86.7	93.1	96.4	95.6	92.1	79.5	75.0	73.4	74.8	74.4	77.6	79.9	82.4	83.4		90.8	101.4
	83.8	83.6	82.9	81.4	80.6	78.6	75.0	70.0									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	82.2	87.9	91.0	87.3	79.6	68.6	62.8	62.2	63.5	66.1	69.2	72.9	75.0	75.0		81.3	94.6
	74.9	75.7	73.7	70.6	68.9	65.5											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	78.0	83.7	84.5	76.6	70.6		60.6	58.6	58.1	58.3	61.9	65.4	67.4	67.1		72.7	88.3
	66.8	66.5	65.2	62.0	58.5	53.6											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	73.7	77.8	75.7	70.0	66.5	57.7	55.5	53.5	53.4	54.4	58.2	60.6	62.0	62.1		66.4	81.6
	61.3	60.3	57.1	53.4	48.4	44.6											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	71.2	74.6	71.4	63.6	59.8	53.3	49.1	49.5	48.6	51.0	54.6	55.8	57.3	56.9		60.9	77.9
	55.9	54.9	52.6														
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	72.8	76.0	72.6	62.2		58.1		50.3	52.0	54.3	56.8	59.3	60.3	59.5		63.4	79.2
	57.9	56.7	53.2	48.5	42.2												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-425

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 425
DATE 15 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	101.9	107.8	111.2	112.9	116.4	118.3	121.1	122.0	122.5	121.2	119.1	118.8	119.9	118.0	125.2	131.1
	116.1	115.5	115.7	115.4	113.7	110.5	108.4	108.0	107.7	105.6	105.8	101.1	101.0			
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	101.5	107.8	111.5	113.4	117.2	118.6	122.0	122.6	122.5	119.3	113.2	106.5	105.9	107.3	118.0	129.2
	107.1	105.1	104.3	103.4	103.7	103.7	103.2	103.7	104.0	103.6	104.7	100.3	99.3			
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	102.2	107.8	110.9	112.2	115.5	118.0	120.1	121.4	122.6	122.4	121.5	121.7	122.9	120.9	127.7	132.4
	118.8	118.3	118.6	118.3	116.5	113.1	110.7	110.1	109.6	107.0	106.7	101.8	102.3			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	92.9	99.6	102.7	103.5	104.3	105.4	101.9	97.6	96.1	95.2	96.4	99.2	101.6	101.9	112.3	115.2
	102.6	103.0	103.3	103.4	103.1	102.5	99.7	97.6	95.3	93.7	91.2	89.0	88.0			
B	DIST FROM SOURCE: 230 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	90.1	96.9	100.5	100.2	98.4	93.3	88.0	85.8	85.3	85.9	87.6	89.6	91.7	92.7	104.2	108.3
	94.5	96.2	97.4	96.3	95.0	92.9	89.4	87.3	84.3	81.8	80.2					
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	86.1	92.8	96.2	95.1	91.2	79.3	78.2	77.3	77.8	77.2	80.1	84.3	86.6	86.9	94.6	101.8
	87.8	87.4	87.0	85.1	83.9	82.2	79.3	75.3	68.6							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	82.1	87.8	90.9	88.6	78.6	70.7	69.0	68.3	68.4	71.7	75.2	76.8	78.3	80.2	87.6	95.3
	80.8	82.0	80.8	78.3	75.9	72.5	67.9									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	78.0	83.8	84.6	75.7	69.6	65.4	62.5	62.0	60.4	60.5	62.7	67.1	68.9	69.9	75.3	88.4
	69.2	69.3	68.2	65.0	61.3	55.9										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	73.3	77.5	75.0	69.3	65.5	58.6	58.5	56.9	54.8	54.9	57.7	61.1	62.3	62.1	67.2	81.3
	62.2	61.3	58.9	54.6	49.7											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	70.7	74.3	70.4	63.8	59.3	52.2	50.6	53.6	52.3	51.6	55.6	58.0	58.9	58.4	63.0	77.6
	57.2	57.5	54.6													
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	72.3	75.5	71.5	63.4	61.7	56.5		50.9	52.4	55.6	57.2	60.1	61.5	61.2	64.7	78.8
	59.2	57.8	55.0	50.2	43.9	38.2										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-426

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 426
DATE 15 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	101.9	107.4	110.8	112.8	116.8	118.6	121.5	122.6	123.3	122.2	119.6	119.3	120.9	118.9	126.2	131.8
	117.0	117.0	117.0	116.5	114.3	111.5	109.7	109.4	109.1	107.1	107.3	102.7	102.3			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	101.7	107.4	111.2	113.4	117.6	118.9	122.4	123.2	123.3	120.5	114.0	107.3	107.4	108.8	119.3	129.9
	108.6	106.5	105.4	104.6	105.3	105.3	104.9	105.8	105.8	105.6	106.5	101.9	100.5			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.1	107.4	110.4	112.1	115.8	118.3	120.4	121.8	123.2	123.4	122.0	122.2	123.8	121.7	128.7	133.1
	119.7	119.8	119.9	119.3	117.0	114.0	112.0	111.4	110.9	108.3	108.1	103.4	103.6			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	92.8	99.0	102.1	103.2	104.3	105.5	102.5	98.0	96.5	96.4	98.3	101.0	103.9	104.6	114.5	116.6
	105.1	105.8	106.1	105.8	104.9	104.2	101.2	99.3	97.1	95.7	94.1	92.4	90.5			
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	89.9	96.4	99.8	99.5	97.5	92.3	88.5	85.6	86.1	85.0	87.0	90.2	93.5	95.5	107.8	109.6
	96.7	98.1	99.8	99.6	99.3	98.8	95.2	91.7	88.7	86.2	84.1	82.4				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	86.2	92.2	95.5	94.6	91.1	80.1	77.4	74.2	74.3	76.3	78.3	81.7	84.2	85.0	93.8	101.1
	85.9	86.7	86.4	84.8	84.1	82.1	78.3	74.3	68.7							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	81.7	87.3	90.4	86.9	79.0	68.2	65.4	63.9	62.8	66.4	70.3	72.8	73.8	74.1	81.7	94.1
	74.6	75.5	74.6	72.6	70.4	67.0										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	77.9	83.4	84.4	76.0	68.5	62.0	60.3	57.9	56.5	57.6	61.6	65.6	67.3	67.4	73.0	88.0
	67.2	67.2	65.2	62.0	58.6	53.1										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	73.4	77.8	75.9	67.5	62.8	55.1	53.4	51.5	50.4	53.8	56.5	59.6	61.7	61.2	65.7	81.3
	60.4	59.8	56.7	52.6	47.4											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	70.9	75.1	72.3	61.6	56.0				48.7	50.7	54.3	55.7	58.2	58.3	62.6	78.3
	57.5	57.2	54.5													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	73.3	76.6	73.9	61.3	58.3	54.1				53.8	56.2	58.7	60.6	59.7	63.7	79.9
	58.7	57.3	54.0	48.9	42.6											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-427

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 427
DATE 15 JAN 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	101.8	107.2	110.8	112.9	116.4	118.3	120.9	121.9	122.4	121.2	119.1	118.5	119.9	118.0	125.0	131.0
	115.9	115.4	115.4	115.2	113.5	110.3	107.9	107.7	107.3	105.3	105.5	100.8	100.6			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	101.5	107.2	111.1	113.4	117.2	118.6	121.7	122.4	122.3	119.3	113.2	106.3	105.6	106.9	117.7	129.1
	106.7	104.5	103.7	102.9	103.5	103.4	102.8	103.6	103.9	103.4	104.4	99.8	98.3			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.0	107.2	110.5	112.2	115.4	118.0	119.9	121.3	122.6	122.5	121.5	121.4	122.8	120.9	127.6	132.3
	118.7	118.2	118.3	118.1	116.3	112.9	110.2	109.7	109.1	106.7	106.4	101.7	102.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	92.5	98.6	101.9	103.1	103.6	104.8	101.8	97.3	96.3	95.7	97.2	99.0	101.3	101.9	111.2	114.5
	102.3	102.9	102.7	102.0	101.5	100.9	98.0	96.0	93.9	92.3	89.3	87.8	87.9			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	89.5	95.7	98.9	98.7	96.8	91.0	86.4	82.2	83.4	84.4	86.7	90.0	93.0	94.5	103.9	107.3
	94.6	95.2	95.6	94.8	94.2	93.6	91.5	89.7	86.7	84.4	80.7					
C	DIST FROM SOURCE: 491 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	85.8	91.9	95.1	94.2	90.7	79.0	72.8	72.3	72.7	74.5	77.6	80.6	82.2	82.9	92.0	100.4
	84.7	84.7	84.8	83.3	81.9	80.2	76.8	72.6	68.1							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	80.8	86.9	90.0	86.5	77.9	68.1	64.0	63.2	63.7	66.0	69.7	72.3	73.8	73.9	80.3	93.6
	73.8	74.5	72.5	70.3	67.9	64.2										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	77.0	82.7	83.8	75.6	69.1	63.1			57.5	57.8	58.1	61.6	66.0	68.2	68.1	73.6	87.5
	67.5	67.4	66.3	63.0	59.3	58.9										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	73.1	77.1	75.4	69.3	63.5	55.3	53.0	50.8	50.9	52.3	56.2	59.8	61.3	61.9	66.3	81.0
	61.1	60.6	57.7	53.7	48.2											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	70.8	74.5	71.7	64.1	58.0				49.7	48.2	50.4	54.1	56.0	58.7	58.4	62.8	77.9
	57.8	57.5	54.7													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	73.0	76.1	72.9	63.5	60.4	54.7	50.8	52.3	52.2	53.5	55.7	58.6	59.5	59.2	63.3	78.4
	57.6	57.2	54.0	49.5	43.4											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-426

DATE 05 FEB 87
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STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 428
DATE 15 JAN 81

MICROPHONE:
ARRAY 05

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	102.1	107.4	110.6	112.8	116.7	118.6	121.2	122.2	122.5	121.3	119.2	118.9	120.1	118.1		125.0	131.1
	116.0	115.6	115.4	114.9	112.9	110.3	108.4	108.1	107.6	105.5	105.8	101.1	100.8				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	101.8	107.4	110.9	113.4	117.5	118.9	122.1	122.8	122.6	119.6	113.4	107.0	106.3	107.6		118.2	129.4
	107.6	105.4	104.6	103.8	103.9	103.5	103.2	104.0	104.4	103.8	105.1	100.4	99.1				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	102.4	107.4	110.3	112.2	115.7	118.2	120.2	121.5	122.5	122.5	121.6	121.7	123.0	120.9		127.5	132.4
	118.7	118.3	118.2	117.8	115.6	112.8	110.7	110.2	109.5	106.7	106.5	101.6	102.0				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	93.1	99.1	102.2	103.7	104.5	105.5	102.4	98.4	97.9	97.9	99.8	102.4	104.0	103.9		113.1	116.0
	104.2	104.7	104.8	104.4	103.3	102.0	99.1	97.9	95.5	94.3	91.4	90.2	89.5				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	90.1	95.9	99.4	99.9	98.1	92.5	88.5	85.8	86.6	87.6	90.8	94.8	98.1	100.0		109.4	111.3
	100.8	102.3	102.7	100.9	98.8	96.4	93.9	92.6	89.7	88.7	89.2	91.0					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	85.8	91.9	95.1	94.7	91.2	79.2	74.8	74.0	75.3	76.3	79.5	83.5	85.9	86.9		97.3	101.9
	88.9	89.3	88.9	88.3	87.9	86.6	84.7	82.3	78.1	77.3							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	81.1	86.9	89.5	85.9	77.5	69.2	65.3	64.4	64.1	66.9	70.9	74.0	76.2	76.5		82.6	93.5
	76.0	76.3	75.1	72.5	70.5	67.1	62.1										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	77.4	83.0	83.3	74.5			60.6	59.4	58.6	59.8	61.7	66.0	69.3	70.3		75.2	87.4
	69.7	69.3	67.4	64.2	60.9	55.1											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	73.1	77.1	74.5	68.9	64.9	56.5	52.1	54.2	57.3	61.4	63.4	64.1				68.4	80.9
	64.0	62.5	59.2	55.5	50.7	46.5											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	71.1	74.6	70.4	63.7	58.9		51.8	55.3	57.7	59.3	59.5					63.7	77.8
	58.8	57.6	55.9	53.6													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	73.4	76.0	71.7	63.5	62.3	56.4	55.1	57.2	60.8	64.0	63.6					67.1	79.6
	62.2	60.4	57.3	52.6	46.0	38.2											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-429

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 429
DATE 15 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	98.2	104.0	106.6	108.3	113.5	113.1	114.5	112.9	110.0	107.8	110.6	113.2	115.0	114.5		121.9	125.3
	112.3	113.2	113.8	112.5	111.1	109.0	106.9	106.9	105.5	104.3	104.4	100.3	100.3				
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC							
	97.6	103.8	106.6	108.7	114.7	113.8	116.0	114.8	111.2	106.2	103.2	100.6	99.4	100.5		114.8	122.7
	99.9	102.1	102.6	102.6	103.0	103.2	102.5	104.4	103.2	103.6	104.1	101.1	101.3				
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	98.8	104.3	106.6	107.8	111.9	112.3	112.3	109.5	108.4	109.0	113.2	116.1	118.0	117.4		124.5	126.9
	115.2	116.0	116.6	115.3	113.8	111.5	109.0	108.5	107.0	104.9	104.6	99.5	98.8				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	94.7	100.7	104.3	105.4	109.0	109.8	107.3	94.9	90.8	93.6	98.4	103.3	105.9	106.0		116.6	119.0
	105.1	106.3	107.5	107.8	107.9	106.9	105.4	103.8	99.2	97.2	93.8	90.7	87.1				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	89.6	96.1	98.0	98.4	97.0	92.1	87.0	84.0	79.9	81.9	86.8	91.8	95.1	94.8		107.9	109.3
	94.7	97.3	98.8	98.9	99.5	99.3	97.3	94.7	89.6	86.9	83.6	81.0					
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	83.0	90.2	92.2	91.0	85.5	73.0	71.6	70.1	70.6	71.7	77.2	81.4	84.5	84.9		96.5	99.6
	84.2	85.6	86.2	87.1	88.4	88.3	86.5	83.5	77.9	73.2							
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	79.6	87.2	88.6	84.5	72.8	61.8	62.2	61.4	59.2	63.3	69.6	74.9	77.8	77.1		86.4	93.4
	77.7	79.0	78.9	77.9	77.0	75.3	71.2	66.0	58.9								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	76.3	84.1	84.3	75.5	64.4	58.5	55.0		51.3	52.8	58.3	66.8	70.8	71.1		80.1	88.6
	72.1	73.5	73.7	71.9	70.1	67.2	61.5										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	73.4	79.0	76.4	64.6								60.8	66.1	66.6		74.5	82.6
	66.4	69.3	69.0	65.1	62.0	57.1											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	71.9	76.8	71.5	63.1								55.8	60.2	63.6	65.1	71.1	79.9
	65.4	65.4	64.9	61.4	55.2	47.2											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	70.5	75.5	69.1	61.5								53.3	57.8	62.0	62.5	68.2	78.2
	62.0	62.4	62.3	57.8	51.4	43.8											
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	68.7	73.7	66.7	60.3								51.7	57.1	60.4	60.6	65.2	76.2
	60.2	58.6	57.6	54.7	49.7												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-430

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 430
DATE 15 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
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MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 / 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC		
	98.1 103.7 107.1 108.2 114.1 113.6 114.8 113.3 110.4 108.1 110.8 113.5 115.1 114.7	122.0	125.5
	112.3 113.5 113.9 112.5 111.2 109.1 107.1 107.0 105.5 104.3 104.5 100.5 100.4		
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC		
	97.5 103.5 107.1 108.6 115.3 114.3 116.3 115.2 111.6 106.5 103.5 100.9 99.7 100.9	115.0	123.1
	100.1 102.6 103.0 102.7 103.1 103.5 102.5 104.3 103.2 103.6 104.2 101.3 101.6		
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC		
	98.6 103.9 107.1 107.7 112.5 112.8 112.6 109.9 108.9 109.2 113.4 116.4 118.1 117.6	124.6	127.0
	115.2 116.3 116.7 115.2 113.9 111.4 109.3 108.6 106.9 104.9 104.7 99.5 98.8		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 36 SEC		
	94.6 100.2 104.7 105.2 109.6 110.2 107.5 95.4 90.9 93.5 98.2 103.1 105.5 105.8	116.3	119.0
	104.7 106.2 107.4 107.6 107.6 106.7 104.9 103.0 97.8 96.5 93.3 90.0 86.7		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC		
	89.7 95.9 98.2 98.2 97.5 92.4 87.3 84.4 80.7 82.2 87.2 92.0 94.8 94.8	107.7	109.2
	94.8 96.9 98.2 98.5 99.1 99.1 97.3 95.2 90.0 86.6 83.9 81.1		
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 35 SEC		
	83.0 89.7 92.7 90.8 86.0 73.6 71.7 69.7 69.2 71.0 75.9 79.4 82.5 83.6	95.7	99.2
	83.3 85.6 86.8 86.8 87.6 86.9 84.8 82.2 77.4 73.1		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC		
	79.8 87.1 89.2 84.7 73.5 61.8 62.9 61.1 58.6 60.7 65.7 71.0 74.7 74.7	83.7	93.1
	73.9 74.9 75.3 74.4 75.4 74.2 70.3 65.5 60.1		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC		
	76.8 84.2 84.9 75.6 65.8 60.4 57.8 55.5 53.1 55.2 59.3 64.3 67.8 67.6	75.3	88.5
	67.2 69.0 68.4 66.4 65.4 60.7		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC		
	73.7 78.9 77.0 64.8 61.4 63.2 63.7	68.5	82.2
	61.5 62.6 61.4 57.6 54.4 49.3		
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 31 SEC		
	72.0 76.7 72.3 62.5 55.5 59.5 61.5 61.2	66.7	79.5
	61.1 60.9 59.8 54.8 49.0 41.6		
H	DIST FROM SOURCE: 2279 METERS OVERALL SAMPLE DURATION: 34 SEC		
	70.5 75.5 70.0 62.2 62.9 59.9 58.0 60.3 59.7	65.6	78.1
	59.7 60.0 58.8 54.1 48.4 42.7		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC		
	68.5 73.6 67.2 60.7 51.7 57.0 58.5 57.3	63.1	76.0
	57.8 57.6 55.7 51.3 47.4		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-431

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 431
DATE 15 JAN 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 36 SEC 98.3 103.8 106.8 108.2 114.4 113.5 114.7 113.3 110.7 108.5 111.0 113.7 115.7 115.3 113.2 113.3 114.2 113.1 111.5 109.5 107.3 107.3 105.8 104.5 104.7 100.8 100.9	122.4	125.7
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 36 SEC 97.7 103.6 106.9 108.6 115.6 114.1 116.2 115.2 111.8 106.9 103.9 100.8 99.9 101.4 100.7 101.9 102.4 102.7 103.4 103.3 102.5 104.2 103.1 103.4 104.1 101.2 101.9	114.9	123.1
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 36 SEC 98.9 104.1 106.8 107.7 112.7 112.7 112.5 109.9 109.1 109.7 113.6 116.6 118.6 118.2 116.1 116.2 117.0 115.9 114.2 112.0 109.6 109.1 107.4 105.4 105.2 100.3 99.5	125.0	127.4
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 95.2 100.5 104.6 105.2 110.2 110.2 107.5 95.7 91.8 94.4 98.7 103.6 106.6 106.7 106.1 106.8 107.6 108.1 108.3 107.3 105.5 103.9 99.5 97.9 94.7 91.4 88.4	117.0	119.5
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC 89.7 96.2 98.3 98.1 97.9 92.3 87.4 84.5 80.9 83.1 87.8 92.4 95.4 95.6 96.0 98.0 99.3 99.4 100.0 100.0 98.2 96.0 90.9 87.6 85.2 82.4	108.6	109.9
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 35 SEC 83.3 90.0 92.5 90.8 86.3 73.7 72.7 70.4 69.2 70.7 76.2 80.5 83.5 84.3 84.4 85.7 86.9 87.4 87.9 87.5 85.6 83.1 78.4 74.0	96.3	99.5
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC 80.0 87.4 89.0 84.4 73.4 62.7 63.9 62.1 60.5 61.5 68.7 72.4 77.9 77.4 78.3 79.9 80.9 81.1 81.1 79.2 74.8 69.5 61.0	88.9	94.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC 76.8 84.2 84.6 75.2 65.3 59.9 58.0 55.3 54.2 56.4 60.9 67.3 71.1 70.8 70.5 72.3 73.1 71.7 70.0 66.5 61.3	79.5	88.7
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 73.8 78.9 76.0 64.3 64.3 70.4 71.1 72.2 74.3 73.8 71.9 68.6 61.4	79.8	84.2
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 35 SEC 72.1 76.5 71.0 62.5 64.7 55.0 59.2 62.0 63.6 64.3 65.4 66.5 64.7 59.8 52.2	72.0	79.8
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 35 SEC 70.6 74.9 68.6 60.7 50.3 55.0 58.3 61.5 62.2 62.7 62.3 61.8 58.8 54.2 46.9	68.4	77.9
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC 68.6 73.2 65.8 59.9 48.0 53.5 57.7 61.2 60.7 60.5 61.5 61.6 59.3 55.3	67.7	76.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 432
DATE 15 JAN 81

MICROPHONE:
ARRAY 06

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-432

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.3	103.7	106.9	108.3	113.9	113.3	114.8	113.5	110.5	108.2	111.4	113.7	115.7	115.2		122.4	125.7
	112.8	113.5	114.1	112.8	111.3	109.3	107.4	107.5	106.1	104.9	105.0	101.1	101.1				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	97.8	103.4	106.9	108.7	115.2	114.0	116.3	115.4	111.7	106.6	103.9	101.3	100.3	101.7		115.6	123.1
	101.1	102.7	103.1	103.4	104.0	104.0	103.3	105.1	104.0	104.3	104.9	102.0	102.3				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.8	103.9	106.8	107.8	112.2	112.5	112.5	110.0	108.8	109.4	114.0	116.6	118.6	118.2		124.9	127.3
	115.7	116.3	116.9	115.5	113.9	111.6	109.5	109.0	107.5	105.4	105.0	100.0	99.4				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	95.2	100.4	104.6	105.4	109.5	110.1	107.4	95.7	91.1	93.8	99.1	103.9	106.7	106.9		117.4	119.6
	106.0	107.3	108.3	108.5	108.9	107.9	105.8	103.6	98.4	96.9	94.2	90.7	87.2				
B	DIST FROM SOURCE: 298 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	89.7	95.8	98.2	98.2	97.1	92.4	87.1	84.3	80.1	82.2	87.8	92.5	95.9	95.8		109.3	110.3
	96.2	98.8	100.3	100.5	101.0	100.7	98.6	95.9	90.3	88.7	85.6	82.5					
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	83.6	89.8	92.5	91.0	85.9	79.1	72.0	70.2	69.0	70.4	75.8	80.0	83.2	84.2		96.1	99.4
	83.9	86.1	87.1	87.0	87.6	87.1	85.2	82.7	78.5	74.7							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	80.4	87.3	89.2	85.1	73.5	61.6	64.5	62.1	57.7	59.3	66.5	72.3	76.1	76.1		87.6	93.8
	77.4	78.2	79.1	79.3	79.8	78.4	74.8	69.9	60.9								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	77.6	84.4	85.0	76.1	66.0	60.3	58.6	56.9	54.1	54.8	58.6	64.5	69.6	68.9		78.2	88.9
	69.3	72.9	72.3	69.5	66.9	62.8	57.6										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	74.4	79.3	76.7	64.7								62.0	65.9	66.3		75.7	83.2
	66.3	69.6	70.8	67.9	64.0	57.3											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	72.6	77.0	71.5									54.9	60.9	62.3	60.7	68.7	79.8
	61.6	62.0	62.4	60.6	56.3	49.9											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	71.2	75.8	69.5									54.8	58.8	61.0	61.3	66.2	78.3
	60.4	60.4	59.0	54.4	49.2	42.6											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	70.0	74.8	67.0									55.3	61.0	62.9	61.5	67.4	77.4
	61.7	61.9	60.4	55.7	49.9												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-433

DATE 05 FEB 87
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STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 433
DATE 15 JAN 81

MICROPHONE:
ARRAY 06

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 98.7 103.9 107.1 108.6 114.2 113.4 115.0 113.3 110.6 108.4 111.1 113.6 115.4 114.8 112.5 113.7 114.0 112.6 111.3 109.2 107.1 107.2 105.7 104.3 104.5 100.5 100.5	122.2	125.6
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 98.1 103.7 107.1 109.0 115.4 114.1 116.5 115.2 111.8 106.8 103.9 101.0 99.8 101.2 100.3 102.9 103.2 102.7 103.1 103.6 102.7 104.5 103.3 103.6 104.2 101.2 101.6	115.1	123.1
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 36 SEC 99.1 104.2 107.1 108.0 112.5 112.5 112.7 109.8 109.0 109.5 113.7 116.5 118.4 117.8 115.3 116.5 116.9 115.4 114.0 111.6 109.2 108.8 107.3 104.9 104.8 99.7 99.0	124.8	127.2
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 38 SEC 95.3 100.6 104.8 105.6 109.7 110.0 107.5 95.3 91.5 94.1 98.9 103.9 106.7 106.9 105.9 107.6 108.5 108.5 108.5 107.5 105.5 103.2 98.0 97.0 94.0 90.4 87.3	117.2	119.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC 90.0 96.1 98.3 98.5 97.5 92.4 87.5 84.7 80.7 82.7 87.9 92.7 95.5 95.6 95.3 97.9 99.1 99.1 99.7 99.7 98.1 95.9 90.9 86.8 84.3 81.0	108.4	109.7
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 35 SEC 83.8 90.2 92.9 91.3 85.9 73.4 72.7 71.7 71.5 71.3 76.3 81.6 85.7 86.2 86.0 88.7 90.1 90.5 91.2 90.6 88.5 85.5 79.8 75.1 71.0	99.2	101.1
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC 80.5 87.4 89.3 84.6 72.8 67.0 67.5 67.4 66.7 71.6 75.8 78.6 78.0 78.0 80.6 81.6 82.2 82.6 81.5 77.3 70.3 59.5	90.2	94.6
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 36 SEC 77.1 84.2 84.5 74.6 67.3 69.2 67.0 64.1 69.0 72.7 72.5 73.1 74.7 75.3 75.0 75.0 71.0 62.6 56.5	82.7	89.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 74.0 78.8 76.2 64.6 65.4 65.0 65.5 67.6 66.9 64.8 63.7 58.3	73.6	82.4
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 35 SEC 72.5 76.5 71.3 64.4 67.4 66.4 61.3 63.0 63.2 64.3 62.7 61.5 63.5 62.8 59.6 56.3 51.1	69.8	80.3
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 35 SEC 70.9 75.2 68.8 64.4 62.3 63.0 62.2 60.5 60.9 60.3 57.4 53.7 46.1	67.5	78.3
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC 69.6 74.2 66.9 63.7 62.3 62.2 63.7 61.6 61.2 61.7 60.2 55.6 52.2	67.7	77.4

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-434

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 434
DATE 03 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	102.2	107.2	110.5	112.6	117.7	118.6	121.8	124.0	125.6	125.7	123.3	122.0	122.0	120.6	127.7	133.7
	119.2	118.8	118.1	117.0	114.8	112.6	111.3	110.7	109.6	108.2	108.5					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	102.1	107.1	110.6	112.8	117.8	117.9	121.7	124.4	126.6	126.6	123.0	119.7	116.0	111.5	121.7	132.7
	105.0	101.1	100.7	102.2	101.8	100.3	98.2	97.2	95.5	95.2	96.4					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	102.3	107.3	110.5	112.5	117.5	119.3	121.9	123.5	124.4	124.5	123.7	123.5	124.4	123.3	130.1	134.5
	122.1	121.7	121.1	120.0	117.7	115.5	114.2	113.6	112.5	111.1	111.4	106.1	108.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	94.4	99.8	102.5	104.7	108.0	111.4	113.5	114.1	112.5	108.3	103.8	99.9	98.9	97.3	106.9	120.2
	96.2	95.1	93.9	92.2	90.1	88.9	87.1	86.6	86.5	86.8	86.5					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 40 SEC						
	89.1	94.4	97.4	99.4	101.2	103.4	104.0	103.5	100.3	93.7	87.9	85.4	86.0	85.2	95.2	110.7
	84.7	83.9	83.8	82.1	80.3	78.7	76.3	75.3	73.9	74.4	73.3					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	83.3	88.3	91.1	93.3	95.3	94.9	91.9	89.1	84.3	77.5	75.6	77.2	78.9	78.0	85.1	101.4
	78.4	76.9	75.1	72.2	70.1	68.5	65.9	64.2								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-435

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 435
DATE 03 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 36 SEC		
	101.5	107.6	111.1	112.8	117.3	118.7	121.8	124.0	125.7	125.8	123.2	121.4	121.4	119.8	127.2	133.5
	118.3	118.1	117.6	116.6	114.4	112.3	111.0	110.3	109.2	108.0	108.2					
S	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 36 SEC		
	101.4	107.6	111.2	112.9	117.4	118.2	121.8	124.4	126.7	126.8	123.0	118.9	115.4	110.2	121.4	132.7
	103.5	100.0	99.6	100.5	100.2	98.7	96.6	95.9	94.9	94.6	95.8					
T	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 37 SEC		
	101.6	107.7	111.0	112.6	117.1	119.2	121.8	123.6	124.3	124.5	123.4	123.0	123.9	122.6	129.6	134.1
	121.3	121.0	120.6	119.5	117.3	115.2	113.9	113.2	112.2	110.9	111.1	105.6	107.8			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 36 SEC		
	93.8	100.2	103.1	105.2	108.0	111.8	114.0	114.6	113.0	108.3	103.0	99.6	99.7	98.6	107.9	120.7
	97.7	97.4	96.3	94.6	92.9	91.9	90.0	89.5	88.8	88.8	88.5					
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 36 SEC		
	88.7	95.1	98.4	100.1	101.4	104.2	104.9	104.6	101.4	94.0	87.4	86.8	87.6	87.0	96.5	111.5
	86.2	85.7	85.1	83.7	82.1	80.6	78.1	77.6	75.9	75.4	74.1					
C	DIST FROM SOURCE: 431 METERS													OVERALL SAMPLE DURATION: 37 SEC		
	82.0	88.1	91.7	93.5	95.3	95.5	91.9	89.7	85.1	77.7	74.5	77.0	78.1	78.3	85.1	101.7
	78.0	76.5	75.2	72.5	70.7	68.8	65.9	64.2								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-436

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 436
DATE 03 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	101.5	106.9	109.9	112.6	117.2	118.3	121.9	123.7	125.3	125.0	122.5	121.1	121.8	120.3	127.4	133.3
	119.1	118.7	117.9	116.6	114.3	112.3	110.9	110.2	109.1	107.8	108.2	103.4	105.2			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	101.4	106.9	110.0	112.7	117.3	117.6	121.8	124.2	126.4	126.0	122.2	118.8	116.1	111.5	121.5	132.3
	105.5	102.5	102.6	103.9	104.0	102.4	100.7	100.0	99.2	99.1	99.8	98.1	98.6			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	101.6	107.0	109.9	112.4	117.0	118.9	122.0	123.2	123.9	123.7	122.7	122.6	124.2	123.1	129.8	134.0
	122.0	121.7	120.8	119.5	117.1	115.1	113.7	113.0	111.8	110.5	110.9	105.7	107.7			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	93.7	99.6	101.8	104.7	107.7	110.9	113.7	113.9	112.2	107.4	102.6	98.5	97.9	96.6	106.6	120.0
	96.3	95.1	94.2	92.7	90.9	89.6	87.6	87.1	87.0	86.1	86.2					
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	88.3	94.0	96.7	99.3	100.7	103.1	104.4	103.9	100.7	93.3	87.0	85.4	87.1	87.0	96.0	110.7
	86.3	85.5	84.7	83.1	81.4	79.8	77.1	76.3	75.3	74.8	73.5					
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	82.2	87.4	89.9	92.7	94.2	93.7	91.3	88.8	83.7	76.8	74.5	76.2	78.3	77.6	84.2	100.5
	77.3	75.8	74.1	71.4	69.1	67.2	64.2	62.8								

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 437
DATE 03 FEB 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-437

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500		
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 37 SEC		
	100.8 106.8 110.1 111.9 116.5 117.9 121.1 122.8 124.5 123.8 121.0 119.5 119.8 118.0	125.2	131.9
	116.5 116.4 115.6 114.5 112.0 109.5 108.0 107.0 105.6 104.4 104.9		
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 37 SEC		
	100.7 106.8 110.2 112.1 116.7 117.3 121.0 123.3 125.6 124.8 120.6 117.2 114.0 109.1	119.8	131.3
	102.6 99.6 99.1 100.5 100.4 98.8 97.1 96.7 96.6 97.2 98.0		
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC		
	100.9 106.9 110.0 111.8 116.3 118.5 121.1 122.2 123.2 122.6 121.4 121.0 122.2 120.8	127.5	132.5
	119.4 119.3 118.6 117.4 114.9 112.3 110.8 109.8 108.3 107.0 107.5 102.4 104.2		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC		
	93.2 99.9 102.4 104.6 107.3 111.2 113.2 113.4 111.6 107.0 102.5 98.9 98.3 96.0	105.6	119.6
	94.0 92.7 91.7 90.1 88.4 87.1 85.1 84.6 85.0 84.0		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC		
	88.5 95.1 97.9 99.6 100.8 103.7 103.7 103.0 100.0 93.0 87.7 85.6 86.0 86.5	95.0	110.5
	84.9 84.1 83.2 81.4 79.9 78.2 75.6 74.9 74.3 74.3		
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC		
	83.9 90.3 93.1 94.9 96.4 97.0 93.7 90.6 86.3 80.0 76.7 78.8 80.9 80.4	87.3	103.1
	80.3 79.4 77.7 75.0 72.9 70.7 68.0 66.2 64.2		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-436

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 438
DATE 03 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.8	107.1	110.4	113.2	119.2	120.2	124.1	126.2	126.6	123.7	118.2	116.5	118.7	118.1	125.8	133.2
	116.6	116.3	115.8	115.0	113.8	112.9	111.0	109.9	109.2	107.0	107.0	103.2	103.6			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	103.2	107.1	110.4	113.2	119.9	120.1	125.0	127.9	128.9	126.3	120.9	113.8	111.3	107.0	123.2	134.2
	102.0	103.3	105.8	109.1	111.7	112.1	110.0	108.4	106.5	104.0	103.3	100.9	101.4			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	102.3	107.1	110.5	113.2	118.4	120.4	122.9	123.3	121.5	115.7	110.3	118.2	121.3	121.0	127.4	131.9
	119.5	119.2	118.6	117.4	115.2	113.5	111.8	111.0	110.8	108.7	109.0	104.7	105.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	94.9	101.4	104.2	107.1	110.1	114.0	115.9	112.2	98.8	89.9	93.3	103.3	108.7	111.0	116.1	122.0
	111.1	109.6	105.3	103.7	104.3	101.6	99.9	97.8	95.6	95.7	94.6					
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	85.6	93.0	96.7	99.8	101.0	100.4	92.6	89.6	87.3	82.0	91.3	99.6	103.1	102.8	107.8	111.5
	100.9	103.0	99.3	95.0	94.1	91.9										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	80.1	84.9	85.5	84.6	84.6	81.8	84.6	84.9	80.9	77.3	82.1	87.1	87.7	85.1	87.7	96.0
	80.0	73.0	66.2	58.3	50.7	46.6										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	79.5	84.4	84.2	83.2	84.0	81.7	82.5	79.1	73.8	72.5	77.4	84.1	84.2	82.4	84.8	93.6
	78.5	71.3	63.1	56.6												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	75.3	80.3	79.7	79.5	80.3	78.3	79.3	76.7	72.2	71.7	75.4	82.8	82.3	78.5	82.2	90.6
	74.1	67.7	58.9													

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-439

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 439
DATE 03 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC 102.2 107.5 111.0 112.5 118.9 119.7 123.4 125.2 125.9 123.0 116.9 114.5 116.9 116.6 115.4 115.3 115.1 113.9 112.5 112.0 110.7 109.7 108.4 106.4 106.2 101.9 102.5	124.8	132.3
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC 102.6 107.4 110.9 112.5 119.6 119.5 124.1 126.8 128.0 125.6 119.6 112.7 109.4 105.3 100.3 100.7 103.4 106.8 110.2 111.6 110.4 109.4 106.6 104.8 103.0 99.4 100.5	122.4	133.3
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 101.8 107.5 111.1 112.5 118.1 119.8 122.5 122.8 121.3 115.2 108.2 115.8 119.5 119.5 118.3 118.3 118.0 116.5 114.1 112.4 110.9 110.1 109.6 107.5 108.0 103.4 103.9	126.3	131.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 23 SEC 94.4 101.5 105.2 106.8 110.0 112.9 114.7 112.3 101.8 88.1 91.3 99.8 105.2 107.8 109.2 110.3 106.3 102.5 103.1 100.0 98.1 96.3 95.8	115.0	121.0
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 35 SEC 85.8 93.6 97.8 99.7 101.8 101.9 92.2 87.0 84.0 77.6 86.4 96.8 103.1 105.0 101.7 102.3 99.6 94.8 95.1 91.1	108.2	112.0
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 35 SEC 78.5 85.9 87.2 84.2 80.9 77.4 77.7 77.7 75.5 72.7 76.6 82.2 84.2 81.9 78.1 71.6 64.9 57.7	84.3	93.6
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 35 SEC 77.7 84.4 85.3 82.7 79.3 77.3 76.5 72.5 69.4 69.0 74.9 78.4 78.4 76.8 72.7 67.3 59.2	79.2	90.4
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC 73.3 81.6 81.4 76.7 76.8 73.7 70.6 70.5 68.5 64.4 66.9 74.0 73.8 72.0 68.9 63.3	74.7	86.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-440

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D2 HT AGL 1.5 M

EVENT:
NUMBER 440
DATE 03 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500		
	630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 39 SEC		
	102.5 107.4 111.2 113.0 119.1 119.7 123.6 125.6 126.3 123.3 117.2 115.3 117.5 117.4	125.0	132.7
	116.1 115.6 115.2 114.1 112.6 111.9 110.5 109.7 108.2 106.2 106.1 102.0 102.5		
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 39 SEC		
	102.8 107.3 111.1 113.1 119.7 119.5 124.4 127.2 128.4 126.0 119.9 113.1 110.2 106.4	122.5	133.6
	101.2 101.1 103.6 106.7 109.7 110.9 109.9 109.0 106.2 104.1 102.9 99.7 100.3		
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC		
	102.2 107.4 111.3 113.0 118.3 119.9 122.7 123.3 121.8 115.7 108.9 116.8 120.1 120.2	126.6	131.5
	119.1 118.5 118.1 116.7 114.4 112.8 111.0 110.4 109.6 107.7 107.9 103.5 104.0		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC		
	95.8 101.6 105.0 106.4 109.3 112.4 115.6 112.5 100.7 90.4 90.5 99.2 103.6 106.1	114.5	120.9
	107.9 109.3 107.0 102.7 102.1 101.4 98.6 96.9 94.9		
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 29 SEC		
	86.0 93.2 97.8 99.9 101.9 102.7 95.4 87.7 81.7 76.6 81.5 90.8 96.8 100.5	105.9	110.4
	101.4 100.6 98.2 94.3 91.0 89.4		
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 21 SEC		
	77.5 84.3 85.0 79.6 82.0 78.5 77.9 76.6 74.4 74.8 76.8 84.7 85.6 82.1	85.3	93.2
	78.2 73.1 64.2 55.6		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 20 SEC		
	76.7 82.1 82.4 77.1 80.7 78.0 76.0 73.3 71.4 70.7 75.7 81.2 80.4 78.9	82.5	90.4
	75.9 70.5 62.8		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 19 SEC		
	74.1 80.2 79.4 75.4 80.0 78.5 75.8 72.6 71.3 69.2 72.8 78.0 78.7 76.0	79.1	88.4
	73.1 67.2 58.1		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-441

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 441
DATE 04 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	102.5	107.9	110.9	113.3	116.8	118.2	120.9	122.5	124.6	124.3	121.6	118.9	119.7	118.5		126.1	132.2
	117.8	117.8	117.0	115.7	113.2	110.8	109.2	108.3	107.1	106.0	105.9						
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	102.7	108.0	111.1	113.5	117.0	117.6	121.1	123.3	125.9	125.7	121.9	115.6	112.0	106.7		120.0	131.7
	101.7	100.5	100.1	100.6	100.7	99.5	97.0	96.3	96.2	94.6	95.4						
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	102.2	107.8	110.6	113.1	116.5	118.7	120.7	121.5	122.7	122.5	121.4	120.8	122.4	121.4		126.5	132.7
	120.7	120.8	120.0	118.6	116.1	113.7	112.0	111.1	109.9	108.8	108.7	102.9	105.7				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	93.7	99.5	102.4	105.1	107.0	110.7	111.9	111.5	110.2	104.6	97.7	95.3	97.4	96.8		105.8	118.4
	96.0	95.2	94.4	93.4	92.3	91.6	89.8	89.2	87.8	87.0	86.1	85.9					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 38 SEC		
	91.0	96.8	99.6	101.8	102.9	105.0	104.8	102.4	97.7	88.9	82.9	83.6	85.9	85.9		94.6	111.4
	84.7	84.3	83.9	81.9	80.3	78.8	76.9										
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	85.4	91.2	94.5	96.9	98.3	97.2	91.6	86.1	81.1	74.9	75.2	77.5	79.5	79.0		85.5	103.8
	78.6	77.4	75.8	72.9	70.6	68.2	64.7	62.6									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 36 SEC		
		84.2	88.7	91.1	91.8	91.4	84.8	76.5	72.7	69.9	70.5	72.8	73.6	73.5		78.7	97.5
	72.1	70.7	67.9	64.4	60.6	56.2											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 37 SEC		
	73.3	79.0	82.9	84.7	84.1	81.4	73.8	72.5	70.4	67.8	66.7	69.1	70.0	69.3		73.5	90.3
	67.6	65.6	61.6	56.4	50.8	45.8											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 37 SEC		
	68.4	73.4	77.1	78.5	78.3	75.8	72.9	71.1	69.9	65.3	62.7	64.3	64.6	64.0		68.3	84.9
	61.9	59.0	53.7	47.3													
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	64.3	68.7	72.4	73.8	73.0	71.7	65.5	64.4	60.9	57.3	57.9	59.4	60.8	60.0		63.2	79.9
	57.3	54.6															
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 38 SEC		
	66.8	67.6	71.3	72.0	72.9	70.1	68.8	68.1	66.9		65.0	63.2	63.4	61.3		64.8	79.2
	58.3	55.0		46.8	46.4	47.8											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-442

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 442
DATE 04 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	102.5	108.3	111.6	113.3	117.3	118.5	121.1	123.0	125.1	124.9	122.2	119.5	120.2	119.0	126.7	132.7
	118.3	118.2	117.4	116.1	113.8	111.6	110.3	109.8	108.9	107.7	107.8	102.3	104.9			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	102.7	108.4	111.8	113.4	117.5	117.8	121.2	123.8	126.5	126.3	122.7	116.7	112.9	107.4	121.2	132.3
	103.1	102.5	102.6	104.2	104.6	103.8	102.5	101.9	102.8	100.4	100.9	97.4	98.2			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	102.4	108.2	111.4	113.1	117.0	119.0	120.9	122.0	123.1	122.7	121.7	121.3	122.8	121.8	129.0	133.2
	121.2	121.2	120.3	118.9	116.5	114.3	113.0	112.5	111.3	110.2	110.3	104.5	107.4			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	93.6	100.0	103.2	105.2	107.7	111.1	112.3	112.0	110.5	104.8	97.5	95.3	96.9	95.7	106.1	118.8
	95.4	95.1	94.8	94.5	93.6	93.0	90.8	90.0	89.6	88.6	87.6	86.7				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	91.4	97.5	101.0	102.5	104.0	105.9	105.7	103.4	98.6	90.0	84.5	84.1	86.2	86.1	95.3	112.3
	84.7	84.6	84.2	82.6	80.9	79.2	76.5									
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	85.0	91.5	95.1	96.9	99.0	97.9	92.8	88.7	83.6	76.2	74.2	76.9	78.4	77.8	85.4	104.3
	78.1	77.0	75.3	72.8	70.6	68.0	64.8	62.5								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 31 SEC						
	80.6	86.2	90.8	92.9	94.2	93.8	88.8		74.7	70.0	70.7	74.0	75.2	75.5	80.8	99.7
	74.1	74.1	71.4	69.0												
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	72.0	77.0	80.8	81.9	81.8	79.7	73.1	70.8	69.4	66.6	66.3	68.7	69.0	69.0	72.8	88.2
	67.4	65.1	60.9	55.9	50.0	45.4										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 37 SEC						
		69.5	72.6	72.9	71.1	69.2	66.1	65.2	64.7	60.8	59.7	61.7	61.9	60.8	64.6	79.3
	58.6	55.4	49.9													
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 37 SEC						
		64.0	64.7	63.9	64.5	63.8	61.9	59.3	56.8	53.9	55.9	56.7	57.4	56.2	58.9	71.3
	53.2															
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	63.3	63.2	66.1	65.0	67.2			67.1				62.2		59.4		
	56.2	53.7				46.1										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-443

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 443
DATE 04 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	102.2	107.4	110.8	112.6	116.4	117.9	120.8	122.5	124.1	124.5	122.2	120.4	121.0	119.9	118.9	118.7	117.7	116.5	114.2	111.8	110.4	109.7	108.6	107.7	107.6	102.0	104.7	127.0	132.6
S	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	102.4	107.5	111.0	112.8	116.6	117.3	120.9	123.3	125.4	125.9	122.7	117.2	113.6	108.0	103.4	102.7	102.9	104.2	104.6	103.6	101.6	101.0	100.6	98.5	99.4	97.6	97.7	120.9	131.8
T	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
	102.0	107.3	110.5	112.4	116.1	118.4	120.6	121.6	122.3	122.6	121.7	122.2	123.6	122.7	121.8	121.7	120.7	119.4	117.0	114.5	113.1	112.4	111.2	110.4	110.3	104.1	107.2	129.5	133.3
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 32 SEC	
	92.3	98.3	101.3	103.1	105.6	109.4	110.4	110.3	108.5	103.9	98.2	95.0	96.9	96.1	95.3	95.2	94.5	92.7	90.8	89.4	87.2	86.5		84.7	83.0	82.8		104.7	117.1
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
	91.3	96.8	100.3	101.6	103.1	105.4	105.0	103.2	98.9	91.1	85.9	88.0	89.5	89.8	89.0	88.3	87.5	85.8	84.3	83.1	80.6	81.0		78.4	76.0			97.4	111.9
C	DIST FROM SOURCE: 431 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
	85.1	91.1	94.9	96.7	98.4	97.3	92.2	88.1	82.7	77.7	76.3	78.7	81.3	80.7	81.7	80.4	78.8	76.7	74.1	71.9	68.7	66.0						87.9	104.0
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
	79.2	84.9	89.4	90.9	92.0	91.4	84.0	75.3	72.0	70.3	70.8	73.4	74.0	73.7	72.5	71.8	69.0	65.4	61.6	57.2								79.2	97.7
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
	75.4	79.0	82.8	83.2	83.0	80.0	73.8	70.0	68.5	66.1	65.7	68.4	68.7	67.8	66.3	63.6	59.8	54.4	49.7	45.2								72.0	89.4
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
		73.0	74.9	74.9	73.6	72.7	69.3	68.4	67.4	63.9	61.4	64.2	65.3	65.1	62.9	59.5	54.2	47.2										68.3	82.0
G	DIST FROM SOURCE: 2087 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
		68.1	70.2	69.3	68.9	67.6	64.0	60.9	58.1	55.6	56.5	59.1	59.8	59.2	57.0	55.5												62.1	78.6
I	DIST FROM SOURCE: 2377 METERS																											OVERALL SAMPLE DURATION: 33 SEC	
	68.7	66.6	68.9	67.5	68.0								62.1	61.9	59.5													62.5	78.7
	56.3			46.3	46.8	46.1																							

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-444

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 444
DATE 04 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 101.6 107.0 109.7 111.5 115.5 116.9 119.3 121.2 123.2 123.2 121.1 119.7 119.9 119.2 118.0 117.7 116.8 115.7 113.5 111.0 109.4 108.7 107.6 106.7 106.5 100.9 103.8	126.1	131.5
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 101.8 107.1 110.0 111.7 115.7 116.3 119.5 122.0 124.5 124.5 121.4 116.4 112.2 107.2 102.3 101.0 100.7 101.7 101.9 100.9 99.2 98.6 98.0 96.5 97.5 95.2 96.3	119.5	130.6
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 101.4 106.9 109.5 111.2 115.2 117.4 119.2 120.2 121.3 121.3 120.9 121.6 122.5 122.0 120.9 120.6 119.7 118.6 116.4 113.8 112.2 111.5 110.4 109.5 109.2 103.3 106.4	128.6	132.3
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 38 SEC 91.6 97.6 100.2 102.0 104.5 108.2 109.0 109.0 107.6 102.2 96.0 94.8 97.1 96.8 96.8 96.4 95.7 94.5 93.2 92.1 90.3 89.5 88.4 87.3 86.0 84.7 83.2	105.5	116.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 38 SEC 90.2 95.8 98.7 100.0 101.5 103.7 103.3 101.1 96.4 88.1 83.2 84.7 86.8 86.4 86.2 85.6 85.2 83.6 82.4 80.6 78.4 77.9 75.3	94.9	110.1
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 39 SEC 84.1 90.0 93.2 94.8 96.6 95.8 91.0 87.0 81.9 75.7 74.9 77.7 79.6 79.3 79.6 78.3 76.8 74.1 71.7 69.2 66.0 64.3	85.9	102.4
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 38 SEC 78.5 84.8 88.8 90.5 91.4 91.0 83.4 75.3 72.3 68.8 69.8 73.6 74.3 74.1 73.0 72.2 69.1 65.6 61.7 57.1	79.3	97.2
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 38 SEC 71.0 76.0 80.1 82.4 82.8 79.9 72.3 68.7 68.0 64.8 63.9 67.0 67.7 67.1 65.5 63.2 59.7 54.0 48.8	71.2	88.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 38 SEC 66.6 69.5 70.6 72.6 73.2 69.9 68.7 66.8 64.6 60.8 58.5 61.8 62.5 62.0 59.9 57.0 51.3 44.9	65.5	79.8
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 38 SEC 65.0 66.7 64.4 65.6 64.2 60.7 58.6 55.5 52.5 54.3 57.1 58.0 56.8 53.7 51.7	59.5	72.5
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 38 SEC 67.8 55.3 58.9		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION: OMEGA 12.2 TEST AA-105-445

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT: NUMBER 445
DATE 04 FEB 81

MICROPHONE: ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 102.2 107.3 110.8 112.6 116.2 117.8 120.3 122.5 124.3 124.4 122.3 120.6 121.0 120.1 118.8 118.7 117.8 116.7 114.3 112.0 110.5 109.7 108.4 107.7 107.6	127.1	132.6
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 102.5 107.4 111.0 112.8 116.5 117.2 120.4 123.2 125.6 125.6 122.6 117.5 113.4 108.3 102.9 101.1 100.7 101.4 101.6 100.4 98.1 97.2 96.5 95.4 96.4	120.5	131.7
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC 101.9 107.2 110.6 112.4 116.0 118.4 120.2 121.7 122.6 122.5 121.9 122.3 123.6 123.0 121.7 121.6 120.8 119.7 117.2 114.9 113.3 112.6 111.3 110.6 110.4 104.5 107.6	129.6	133.4
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 37 SEC 93.3 98.9 102.1 104.1 106.5 110.1 111.2 111.5 109.9 104.7 99.0 96.6 98.3 97.6 96.4 95.5 94.2 92.9 91.5 90.5 87.8 87.0 86.9 84.9 85.1	105.5	118.0
B	DIST FROM SOURCE: 230 METERS OVERALL SAMPLE DURATION: 38 SEC 90.5 96.1 99.7 101.3 102.7 104.9 104.7 103.2 98.7 90.6 85.1 87.1 89.0 90.5 90.4 89.5 89.6 88.1 86.3 85.0 82.9 83.2 81.5 79.2	98.5	111.6
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 37 SEC 84.6 90.3 94.1 96.4 97.8 96.9 92.6 88.9 82.4 77.2 76.6 79.3 81.7 80.9 80.1 80.0 79.1 76.2 74.8 71.9 69.2 66.8	87.7	103.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 37 SEC 78.6 84.3 88.9 90.9 92.1 91.9 83.7 76.7 72.7 70.5 71.5 75.1 75.7 75.4 74.2 73.4 70.8 67.1 63.5 59.0	80.6	97.8
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 38 SEC 71.9 76.8 81.5 82.9 83.5 80.9 73.4 69.4 68.0 65.3 64.2 67.4 68.0 67.5 66.1 64.3 60.8 55.6 49.6 45.1	71.9	89.1
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 38 SEC 66.5 69.8 74.1 74.7 73.8 70.6 66.5 67.1 65.5 61.0 59.4 63.4 63.9 62.9 60.7 57.4 52.0 45.7	66.4	81.0
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 38 SEC 65.9 69.5 70.2 68.8 66.5 62.0 60.4 57.9 53.2 54.8 57.5 58.6 57.6 54.6 52.2	60.4	75.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 37 SEC 68.1 68.0 68.9 61.3 60.6 58.9 56.1 53.0		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-446

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 446
DATE 04 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL	OASPL
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	(DBA)	(DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	99.7	105.0	108.2	110.2	116.5	118.1	122.0	124.9	125.8	121.1	114.0	113.4	116.1	115.3	124.3	131.5
	115.1	115.9	114.9	113.5	112.3	112.1	110.5	109.4	107.7	105.8	105.5	101.4	101.9			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	99.9	104.8	108.1	110.1	117.1	117.6	122.4	126.4	128.0	123.7	116.6	110.7	109.1	103.8	122.0	132.4
	98.9	101.0	104.1	107.4	110.7	112.1	110.7	109.3	106.8	104.7	102.9	99.9	100.5			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 38 SEC	
	99.4	105.3	108.4	110.3	115.8	118.4	121.4	122.7	121.4	114.1	106.1	115.1	118.6	118.1	125.8	130.4
	118.0	118.8	117.7	116.0	113.4	112.1	110.3	109.5	108.5	106.7	107.1	102.6	102.9			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	96.5	101.5	105.7	107.2	113.5	116.7	120.8	121.4	118.6	106.4	93.5	102.2	106.7	108.6	119.4	127.0
	110.1	112.5	112.2	109.6	108.2	106.3	104.8	103.2	100.7	98.2	96.0	94.3	92.0			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 38 SEC	
	96.3	102.1	104.1	105.3	109.0	112.0	114.8	112.5	103.1	94.5	93.4	97.5	101.6	104.5	113.9	120.5
	106.8	109.1	107.2	101.9	100.9	100.7	97.1	95.4	92.8	91.1	89.3	88.8	87.0			
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 38 SEC	
	83.5	91.4	95.1	97.4	99.6	100.0	97.9	93.4	83.9	76.8	81.4	89.1	92.8	96.2	104.3	108.6
	99.0	100.7	97.3	91.8	89.1	86.6	82.8									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 29 SEC	
	80.5	89.2	93.1	95.7	96.7	92.8	89.2	87.9	84.8	78.5	81.2	90.6	94.4	95.7	99.2	104.7
	94.5	93.8	89.3	84.5	80.9	76.3	71.3	67.9								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 26 SEC	
	80.6	89.2	92.2	93.1	92.2	87.2	84.8	89.1	85.9	81.6	79.2	86.5	89.8	89.7	92.9	100.9
	88.5	86.5	81.3	73.7	70.3	64.1										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 38 SEC	
	79.2	87.5	90.3	88.5	83.2	76.8	78.4	81.4	79.3	78.8	80.7	87.9	89.6	88.1	90.2	97.6
	84.0	79.7	72.1	64.9	57.0	49.9										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 38 SEC	
	77.4	84.4	85.8	82.6	77.9	76.9	77.7	77.0	75.6	72.3	75.5	81.9	83.1	81.5	83.8	92.5
	77.6	73.0	66.4	57.1	48.0	44.3										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	77.5	84.2	85.1	80.3	78.0	78.1	76.0	76.6	74.7	73.4	76.3	82.9	83.6	81.2	84.0	92.3
	77.8	72.4	65.3	55.7												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 37 SEC	
	74.4	81.2	81.2	76.2	76.2	76.0	76.9	77.0	74.4	73.6	77.1	81.0	82.0	79.1	82.3	90.1
	76.1	70.6	62.6	53.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-447

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 447
DATE 04 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	100.2	105.0	108.2	110.1	116.8	117.9	121.8	125.1	125.6	120.9	113.6	113.9	116.6	115.8	124.5	131.6
	115.6	115.9	114.5	113.5	112.9	112.5	110.8	109.7	108.0	106.1	105.7	101.8	102.2			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	100.3	104.8	108.1	110.0	117.4	117.5	122.4	126.7	127.8	123.6	116.2	110.9	109.4	104.7	122.4	132.4
	100.1	102.3	105.4	108.6	111.7	112.7	111.1	109.7	107.4	105.3	103.3	100.5	101.1			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	100.0	105.2	108.3	110.1	116.0	118.2	121.2	122.8	120.9	113.0	106.1	115.7	119.2	118.7	126.0	130.5
	118.5	118.8	117.3	115.8	113.9	112.3	110.4	109.7	108.6	106.8	107.2	102.8	103.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	96.5	101.3	105.4	106.6	113.5	116.4	120.5	121.3	118.0	105.2	93.3	103.4	108.2	109.8	119.6	126.9
	111.1	113.0	112.5	109.5	107.6	106.9	104.8	103.2	100.6	98.2	95.8	93.8	91.3			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	92.4	99.2	101.9	103.5	108.6	110.7	114.0	112.3	101.9	86.8	85.5	95.5	100.7	103.5	113.0	119.5
	105.4	107.6	106.5	102.2	100.2	100.1	96.0	94.4	92.1	89.9	87.9	87.8	85.9			
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	84.3	91.9	95.4	97.5	100.6	99.4	93.9	88.8	85.1	78.6	87.0	96.2	100.9	102.0	106.9	110.5
	102.4	101.6	97.6	93.8	93.0	89.2	85.9	83.8								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	80.6	88.7	92.1	94.3	96.2	91.6	88.0	86.5	83.5	77.7	80.3	89.2	91.6	92.7	98.0	103.5
	93.9	93.1	89.6	83.9	80.3	75.9	69.4	67.0								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 41 SEC						
	77.5	85.8	88.8	89.9	90.4	83.1	77.9	79.4	79.6	78.9	76.1	85.3	88.2	89.9	91.6	98.3
	87.5	83.8	78.2	71.0	65.9	58.5										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	77.7	84.9	88.2	86.8	81.9	76.2	76.6	79.1	76.8	73.6	75.2	82.8	83.7	82.5	85.2	94.3
	80.7	75.6	67.8	60.9	52.5											
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	76.4	82.9	84.1	81.1	78.0	73.0	73.2	77.4	76.0	71.1	72.7	80.9	83.4	80.4	83.2	91.4
	77.4	71.9	63.5	54.1												
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 39 SEC						
	75.3	81.7	82.1	77.6	77.6	73.7	72.8	72.2	68.1	66.5	73.4	79.9	81.2	78.4	81.2	89.5
	75.1	69.2	61.0	51.0												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	72.4	79.1	79.0	74.4	76.8	71.8	70.0	71.0	68.2	65.5	71.0	76.6	78.2	75.2	78.3	86.7
	72.8	66.4	57.5	47.6												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-448

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 448
DATE 04 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC 100.2 105.0 108.5 110.1 116.8 118.2 122.2 125.3 126.0 121.3 113.9 114.5 117.3 116.5 116.2 116.3 114.9 114.0 113.7 113.1 111.4 110.3 108.4 106.7 106.3 102.6 103.0	125.1	131.9
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC 100.5 104.9 108.4 110.1 117.4 117.8 122.8 126.9 128.2 123.9 116.4 111.2 110.2 106.0 101.6 104.0 107.3 110.4 112.7 113.5 111.8 110.6 108.0 106.2 104.5 101.9 102.5	123.2	132.8
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC 99.8 105.2 108.6 110.2 116.0 118.5 121.4 122.8 121.1 112.9 107.0 116.3 119.8 119.3 119.2 119.2 117.5 115.9 114.5 112.7 110.9 110.0 108.7 107.2 107.5 103.1 103.4	126.4	130.8
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 38 SEC 97.1 101.5 106.0 107.2 114.1 117.2 121.4 122.1 118.5 105.4 95.1 105.4 111.1 112.9 113.9 115.5 113.6 110.7 110.0 108.1 105.8 104.2 101.7 99.4 96.9 95.1 92.5	121.4	127.9
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 27 SEC 92.1 99.1 101.9 103.4 108.5 111.0 114.6 113.1 103.2 87.4 94.6 99.3 102.4 105.3 108.2 107.2 103.8 99.9 100.3 98.1 94.9 93.5	113.4	120.0
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 38 SEC 84.0 91.3 95.2 97.1 100.1 99.8 96.9 94.3 84.8 77.8 83.2 91.6 96.2 97.8 98.3 99.3 98.2 94.8 90.8 88.8 87.1 85.3	104.7	108.9
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 38 SEC 81.3 89.4 93.3 95.7 97.8 94.0 88.6 84.1 80.6 78.3 84.8 94.4 97.1 95.8 95.8 94.1 90.1 85.7 82.3 77.8 71.3 68.4	100.3	105.6
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 38 SEC 78.0 86.0 89.2 90.2 90.6 84.1 80.6 79.9 77.9 75.8 75.0 85.8 89.5 87.6 85.5 83.9 78.3 72.3 68.3 61.5	90.8	98.2
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 38 SEC 77.1 84.7 87.7 85.8 80.5 75.8 78.8 76.5 74.9 73.4 76.4 85.1 86.7 86.2 83.2 78.7 70.6 64.4 56.5	88.1	95.0
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 38 SEC 77.1 84.0 86.0 82.4 77.4 73.6 74.9 78.4 75.4 71.8 76.4 83.5 85.8 82.8 78.9 72.9 66.2 58.2	85.4	93.1
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 38 SEC 75.3 82.3 84.2 79.6 74.1 72.2 73.1 74.2 70.9 69.5 75.4 81.0 82.9 81.0 77.1 71.7 63.4 53.8	83.2	90.9
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 37 SEC 72.9 79.4 80.7 75.9 72.0 70.4 70.8 71.5 68.6 68.3 72.9 78.2 79.4 76.5 73.5 68.1 60.6 50.1	79.5	87.6

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-449

DATE 05 FEB 87
PAGE F1

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 449
DATE 04 FEB 81

MICROPHONE:
ARRAY 06

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC 99.6 104.8 108.0 109.8 116.7 117.3 121.7 124.9 125.3 121.0 113.8 113.3 115.4 114.8 114.9 115.7 114.9 113.5 112.0 111.8 110.6 109.7 107.5 106.1 105.9 101.5 102.1	124.2	131.3
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC 99.8 104.6 107.9 109.8 117.3 116.9 122.2 126.3 127.4 123.6 116.5 110.8 108.4 103.2 98.5 100.4 103.5 107.1 110.1 111.7 110.9 109.9 106.5 105.1 103.6 99.9 100.8	121.8	132.1
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 38 SEC 99.3 105.0 108.1 109.9 116.0 117.7 121.1 122.7 121.0 114.0 106.2 114.9 117.9 117.7 117.8 118.6 117.8 115.9 113.3 111.8 110.3 109.5 108.3 106.9 107.3 102.6 103.1	125.7	130.2
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 37 SEC 96.4 101.4 105.5 106.8 114.0 116.4 120.9 121.8 118.1 106.1 103.2 107.7 109.1 110.6 113.0 112.9 110.2 107.6 106.2 105.6 103.1 100.5 98.4 96.2 94.3 92.1	119.7	127.2
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 28 SEC 98.0 101.5 102.7 104.3 109.5 110.8 114.0 112.9 102.6 90.6 90.0 97.6 101.4 103.5 105.7 108.4 106.3 101.1 100.6 99.6 95.3 93.8	113.0	119.9
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 38 SEC 82.9 90.6 94.2 96.2 99.7 98.5 95.8 92.1 81.9 75.6 78.1 87.3 92.4 95.6 97.3 98.7 97.2 92.3 87.6 86.3 83.8	103.2	107.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 38 SEC 80.1 88.1 91.8 94.2 97.0 92.8 86.4 82.3 77.2 72.8 77.3 85.7 90.3 92.6 93.2 92.1 88.1 82.1 79.2 74.1 68.6	97.0	103.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 38 SEC 77.7 85.4 89.1 90.6 91.8 85.1 78.1 78.3 75.7 74.0 75.0 82.6 85.2 86.1 85.6 83.9 79.6 72.1 65.7 61.2	89.6	97.8
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 36 SEC 77.9 85.3 88.4 87.6 84.1 76.8 75.4 77.2 74.1 73.2 76.1 83.4 84.4 83.2 81.1 78.0 69.6 61.9 54.6	86.0	94.8
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 37 SEC 77.3 84.2 86.0 83.2 82.0 78.0 76.9 78.3 75.5 72.1 74.8 81.3 83.4 81.5 78.2 72.7 65.2 56.2 47.8	83.8	92.8
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 38 SEC 76.4 83.7 85.3 81.9 81.1 78.0 77.5 74.7 71.0 71.2 76.6 83.2 84.1 81.2 77.1 71.6 63.3	84.0	92.5
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 36 SEC 73.3 81.1 81.9 78.3 78.0 74.8 74.3 74.8 72.3 69.7 74.7 80.8 82.2 78.2 74.0 68.5 60.5 50.2	81.6	89.8

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-450

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 450
DATE 12 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	102.8	108.4	111.5	113.8	118.0	119.9	122.8	124.6	126.4	125.9	122.9	121.7	122.7	120.9	128.3	134.2
	119.9	119.7	118.7	117.6	115.2	113.5	112.5	111.9	110.0	109.4	109.7					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	103.6	108.9	112.1	114.3	118.6	119.6	123.3	125.5	127.5	126.8	123.5	120.2	119.1	114.8	122.7	133.6
	108.4	103.0	102.4	101.7	101.7	100.7	98.7	98.0	99.7	96.9	97.4					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	101.8	107.8	110.8	113.2	117.4	120.2	122.2	123.4	124.9	124.7	122.3	122.8	124.6	123.3	130.6	134.7
	122.8	122.6	121.6	120.6	118.1	116.4	115.4	114.8	112.8	112.3	112.6	108.1	108.9			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	94.8	100.8	103.8	105.8	109.0	113.1	114.1	114.1	113.3	109.3	104.6	100.3	100.4	100.8	110.8	121.2
	101.3	101.6	101.0	99.9	98.3	97.1	95.3	94.8	93.5	92.7	91.7	90.4	89.0			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	91.9	97.8	101.2	102.8	104.9	108.2	108.2	105.9	100.3	93.6	87.8	87.1	89.2	88.9	97.9	114.2
	86.7	87.2	86.9	84.9	84.5	83.1	80.4	80.7		79.6						
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	86.3	92.2	96.1	98.2	100.9	101.8	96.3	87.1	84.4	77.7	75.4	77.7	79.8	79.5	88.0	106.6
	80.8	79.3	78.0	75.7	73.8	72.1	70.0	68.8	65.5	65.6						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	80.5	86.7	91.3	92.7	93.6	94.0	84.8	73.4	70.4	67.6	68.7	71.3	71.5	71.2	78.2	99.6
	70.1	69.7	66.8	63.5	61.0	58.1										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	75.4	81.9	86.6	87.1	86.9	84.2	76.8	69.4	65.2	63.1	62.5	66.3	67.0	66.3	71.3	93.0
	64.3	62.1	58.4	54.0	49.9	46.5										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	71.3	78.4	81.9	81.4	78.3	74.4	69.3	65.2	62.3	59.0	59.8	63.4	62.9	61.7	65.6	86.9
	58.7	55.0	49.5	43.7												
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	69.1		78.5	77.8						61.6	57.7	56.5	58.3	59.8	59.2	57.1	60.9	81.5
	53.6	50.0														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-451

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 451
DATE 12 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	102.0	107.8	110.8	113.6	117.6	119.6	122.4	124.0	126.2	125.5	122.4	121.3	122.4	120.6	127.8	133.8
	119.6	119.2	118.3	117.2	114.8	113.0	111.8	111.1	109.0	108.5	109.0					
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	102.7	108.3	111.3	114.1	118.1	119.3	122.8	124.8	127.2	126.3	122.8	119.7	118.8	114.5	122.2	133.1
	108.4	102.0	100.9	99.6	99.5	98.6	96.6	95.9	96.0	94.3	95.8					
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	101.1	107.3	110.2	113.2	117.1	119.9	121.9	123.0	124.9	124.5	121.9	122.5	124.4	123.0	130.2	134.4
	122.4	122.1	121.2	120.2	117.8	115.9	114.7	114.1	111.9	111.4	111.9	107.2	108.2			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	94.1	100.1	102.9	105.6	108.5	112.8	113.7	113.7	113.5	109.7	105.5	101.9	101.8	100.8	110.0	121.0
	100.8	100.4	99.6	98.0	96.5	95.3	93.0	92.3	92.9	90.8	89.7	89.8				
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 38 SEC						
	91.4	97.5	100.7	102.8	104.6	108.0	108.0	106.3	101.2	93.7	87.9	88.4	90.6	90.6	99.6	114.1
	89.8	89.9	90.0	87.9	86.6	85.1	84.8	84.9								
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 37 SEC						
	86.1	92.3	95.7	98.4	100.8	101.8	96.4	88.8	86.2	79.4	74.7	76.7	78.6	78.0	87.0	106.6
	78.2	77.5	76.4	73.9	72.4	70.8	69.1	68.1								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 28 SEC						

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-452

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 452
DATE 12 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 27 SEC 101.8 108.0 111.0 113.2 117.9 119.7 122.7 124.0 126.2 125.5 122.7 121.5 122.5 120.7 119.8 119.4 118.4 117.4 115.0 113.2 112.0 111.4 109.6 109.1 109.3	128.0	133.9
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 27 SEC 102.5 108.5 111.6 113.6 118.4 119.4 123.1 124.9 127.2 126.3 123.1 119.9 119.0 114.7 108.8 102.5 101.6 100.6 100.3 99.2 97.1 96.3 95.6 93.6 94.6	122.4	133.2
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 28 SEC 101.0 107.5 110.4 112.7 117.3 120.0 122.3 122.9 124.9 124.5 122.2 122.6 124.4 123.2 122.7 122.4 121.3 120.4 117.9 116.1 114.9 114.4 112.5 112.0 112.2 107.7 108.5	130.4	134.5
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 28 SEC 93.9 100.2 103.1 105.1 108.5 112.6 113.9 113.2 113.0 109.0 104.9 99.6 98.8 99.2 100.1 100.1 99.8 98.4 96.9 95.8 93.9 93.3 92.1 91.4 89.9 88.6 88.6	109.7	120.7
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 28 SEC 90.8 97.3 100.5 102.0 104.0 107.4 107.7 105.0 99.5 92.5 86.8 85.3 87.0 85.5 85.2 86.5 84.3 81.8 80.7 79.2	96.2	113.4
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 27 SEC 85.3 91.9 95.5 97.7 100.5 101.5 96.2 88.1 85.2 76.2 74.3 74.2 71.0 69.1 67.8	84.2	106.2
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 28 SEC 78.6 85.5 89.6 91.5 92.6 93.4 85.0 68.1 65.2 65.7 68.8 68.5 68.8 67.4 66.4 64.4 61.5 58.0 55.3	76.4	98.6
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 27 SEC 73.5 81.4 85.2 85.4 84.7 82.4 75.0 65.6 61.7 59.6 60.2 63.2 63.4 62.6 61.5 58.9 55.4 50.8 46.3	68.5	91.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 28 SEC 68.9 76.6 80.2 79.8 77.1 72.7 66.9 60.9 58.6 56.4 56.6 59.4 58.9 56.9 53.0 49.3 43.6	61.6	85.2
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 27 SEC 66.1 72.8 77.2 76.5 72.5 56.1 54.7 55.5 57.1 55.9 53.1 48.9	57.7	81.5

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-453

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 453
DATE 12 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	101.5	107.8	110.9	113.4	117.5	119.6	122.8	124.2	126.0	125.4	122.5	121.6	122.6	120.5	119.7	119.5	118.7	117.7	115.4	113.5	112.3	111.6	109.7	109.4	109.7			128.2	133.9
S	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	102.2	108.3	111.5	113.8	118.0	119.2	123.2	125.0	126.9	126.1	122.9	119.9	119.0	114.8	108.8	102.4	101.3	100.0	100.2	99.2	97.1	96.3	96.7	94.6	95.5			122.3	133.1
T	DIST FROM SOURCE: 66 METERS																											OVERALL SAMPLE DURATION: 34 SEC	
	100.7	107.4	110.2	112.9	117.0	119.8	122.3	123.3	124.8	124.4	122.1	122.8	124.6	123.4	122.6	122.5	121.7	120.7	118.3	116.4	115.2	114.6	112.6	112.3	112.6	107.7	108.9	130.6	134.6
A	DIST FROM SOURCE: 134 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	93.7	100.0	103.0	105.2	108.2	112.7	114.1	113.7	113.1	109.3	105.5	101.0	100.2	100.3	100.6	100.3	99.4	97.8	95.7	94.2	91.9	91.3	92.2	88.6	87.5	87.2		109.5	120.8
B	DIST FROM SOURCE: 238 METERS																											OVERALL SAMPLE DURATION: 34 SEC	
	90.6	97.1	100.5	102.4	104.1	107.9	108.0	105.9	100.2	93.0	87.6	85.4	87.1	87.8	87.6	88.2	88.5	86.5	85.0	83.3	82.7	81.7		79.5				98.1	113.8
C	DIST FROM SOURCE: 431 METERS																											OVERALL SAMPLE DURATION: 35 SEC	
	85.2	91.6	95.2	97.5	99.9	101.4	96.6	87.8	84.2	75.9	71.7	73.3	75.0	73.8	74.8	73.3	72.1	69.9	68.4	66.4	64.1	62.8						84.9	106.0
D	DIST FROM SOURCE: 753 METERS																											OVERALL SAMPLE DURATION: 34 SEC	
	77.9	84.7	89.1	90.9	91.9	93.1	85.5	73.6	66.0	63.4	64.4	67.1	66.9	67.4	65.5	64.9	61.5	58.2	55.3	52.7								75.5	98.1
E	DIST FROM SOURCE: 1255 METERS																											OVERALL SAMPLE DURATION: 34 SEC	
	72.4	79.4	83.5	84.1	83.2	79.9	73.5	65.7	63.5	60.4	60.3	63.4	63.8	62.9	60.9	58.1	54.3	49.3	45.2									67.8	89.7
F	DIST FROM SOURCE: 1757 METERS																											OVERALL SAMPLE DURATION: 34 SEC	
	68.5	75.3	78.9	78.9	77.0	74.7	68.7	63.1	60.7	57.0	57.2	60.5	60.1	58.5	55.7	51.8	46.2											63.0	84.5
G	DIST FROM SOURCE: 2087 METERS																											OVERALL SAMPLE DURATION: 34 SEC	
	65.6	71.3	74.6	75.5	71.8								57.1	55.8	54.3	50.5	47.9											57.8	80.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-454

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 454
DATE 12 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 39 SEC		
	101.6 107.8 110.6 113.2 117.8 119.2 122.3 124.0 126.0 125.2 122.5 121.2 122.2 120.7 119.5 119.2 118.4 117.4 115.2 113.1 111.8 111.1 108.9	127.7	133.6
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 39 SEC		
	102.2 108.2 111.1 113.6 118.2 118.8 122.6 124.7 126.9 125.9 122.7 119.5 118.5 114.5 108.4 101.4 100.1 98.2 97.7 96.7 94.7 94.4 95.7	121.9	132.8
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 38 SEC		
	100.8 107.4 110.1 112.8 117.3 119.6 121.9 123.0 124.9 124.5 122.3 122.5 124.2 123.2 122.4 122.2 121.4 120.4 118.1 116.1 114.8 114.0 111.8 111.4 111.9 107.0 108.2	130.3	134.4
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 38 SEC		
	93.7 100.3 102.9 105.1 108.4 112.2 113.7 113.4 113.0 109.2 105.5 100.7 99.0 98.5 98.7 98.2 97.2 95.0 92.9 91.2 88.7 87.5 86.1 84.7 83.4	108.1	120.5
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 38 SEC		
	90.5 97.1 100.0 101.9 104.1 106.9 107.4 105.9 100.7 92.8 87.4 85.4 85.6 85.9 86.0 84.8 84.8 83.5 82.4 81.0	96.7	113.3
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 39 SEC		
	84.7 91.2 94.4 96.7 99.7 100.1 96.1 87.7 84.0 75.8 71.1 73.2 75.5 75.0 75.7 74.7 73.3 70.7 69.0 67.2 64.6 63.2	84.8	105.3
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 39 SEC		
	78.7 85.3 89.4 91.1 92.3 92.5 84.8 72.9 69.5 66.7 66.4 70.6 70.0 69.4 68.7 68.2 64.9 61.4 58.6 55.2	76.8	98.1
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 38 SEC		
	69.0 75.5 78.5 78.5 76.4 71.8 67.2 62.2 60.4 59.2 56.8 59.0 58.0 55.7 52.3 48.6 43.6	61.0	83.9
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 39 SEC		
	67.2 71.9 75.2 74.8 58.9 56.9 50.4		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-455

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 455
DATE 12 FEB 81

MICROPHONE:
ARRAY D6

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	101.1	107.1	109.7	111.6	117.2	118.1	122.0	123.4	123.0	119.3	112.7	108.8	110.4	110.6	120.6	129.7
	110.4	110.2	110.2	110.4	109.3	107.5	105.9	105.9	105.3	103.9	104.5	100.4	100.6			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	101.5	107.0	109.7	111.6	117.8	117.9	122.8	124.9	125.0	121.5	115.1	105.0	98.1	94.3	117.4	130.6
	93.2	95.0	96.3	97.5	98.8	99.9	99.2	101.4	102.4	101.8	102.4	99.2	98.6			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	100.7	107.1	109.7	111.5	116.4	118.3	121.1	121.0	119.1	114.4	107.3	110.7	113.3	113.6	122.5	128.5
	113.4	113.1	113.1	113.3	112.1	110.1	108.4	108.1	107.0	105.4	105.9	101.3	101.9			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	93.8	101.0	103.6	105.3	107.6	110.4	112.4	110.7	104.1	91.8	87.1	92.5	96.0	98.2	107.2	117.9
	98.1	99.6	99.4	97.4	95.3	94.6	92.9	91.1		87.9	85.7	85.6				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	84.9	92.5	96.0	98.1	99.4	98.7	92.3	90.6	81.8	75.7	77.9	82.3	86.2	88.8	96.3	105.7
	90.3	90.5	88.8	87.0	84.6	82.3	79.7									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	81.3	89.4	93.0	95.1	95.5	91.7	83.8	77.6	74.1	68.8	70.2	74.8	77.6	79.1	86.1	100.8
	80.5	80.1	78.3	76.1	73.2	69.9	65.6									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 36 SEC	
	78.0	85.9	89.3	90.3	89.2	83.7	78.5	74.6	70.2	65.9	64.5	68.4	71.1	72.2	76.4	95.6
	70.5	69.1	66.8	62.8	58.3	53.3										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	76.7	84.2	87.8	87.2	82.2	75.1	70.4	70.8	66.5	66.7	64.0	68.2	68.9	67.1	71.6	92.3
	65.6	63.8	59.2	52.9	48.1											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	75.3	83.1	85.6	84.6	79.3	75.5	71.1	68.6	64.0	62.3	60.7	64.5	65.9	63.4	67.7	90.2
	61.0	56.8	52.2	47.5												
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	73.9	82.1	84.7	83.1	77.8	76.0	71.9		62.1	60.2	61.2	65.6	66.4	65.9	68.4	89.1
	62.5	56.8	50.3													
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	70.8	79.3	81.4	79.5	76.7	73.6	69.6		60.7		58.1	63.5	64.4	61.8	65.2	85.8
	58.0	53.4														

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-456

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 456
DATE 12 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	101.3	106.7	109.7	111.7	117.7	118.8	122.6	124.0	123.6	119.7	113.0	110.1	112.7	112.7		122.7	130.5
	112.8	113.3	113.4	113.0	111.3	109.5	107.9	107.9	106.9	105.9	106.7	103.1	103.5				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	101.6	106.6	109.7	111.8	118.3	118.6	123.4	125.6	125.6	122.0	115.4	105.4	100.0	96.2		118.7	131.3
	95.7	98.9	100.1	100.7	101.8	102.9	102.3	104.2	104.3	104.3	105.6	103.2	103.6				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	100.9	106.8	109.7	111.6	116.9	119.0	121.5	121.4	119.4	114.4	107.0	112.3	115.5	115.7		124.7	129.5
	115.8	116.3	116.3	115.8	114.0	112.0	110.2	109.9	108.5	107.1	107.6	103.0	103.5				
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	84.7	91.7	95.3	97.5	99.6	99.5	92.0	91.0	82.0	73.4	74.8	79.6	84.0	85.9		94.5	105.4
	86.2	86.9	86.3	85.3	84.6	83.1	81.8	80.3									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	80.5	88.5	92.2	94.8	96.0	93.2	83.4	75.8	71.2	67.2	66.6	72.8	75.1	76.4		84.2	100.8
	77.4	77.3	76.6	74.9	72.8	69.4	65.9										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 37 SEC		
	76.4	84.4	88.1	89.8	89.3	84.3	76.4	67.2	63.5	62.0	62.3	67.1	69.1	70.5		76.2	95.0
	71.1	70.2	67.6	63.8	59.0	53.6											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	73.8	81.2	85.1	84.9	80.1	73.2			60.7	58.5	58.9	63.6	65.6	64.9		69.2	89.7
	63.8	62.7	59.1	52.5	48.4												
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	72.3	80.1	83.2	82.4	77.3	72.5	66.3	65.4	60.1	58.3	57.7	62.0	63.2	62.2		65.9	87.7
	60.5	56.7	51.6	44.4													
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	70.4	78.8	81.7	80.6		73.6	67.7		59.2		57.3	60.7	61.3	59.7		63.2	85.9
	56.4	52.0	47.2														
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	67.2	75.7	78.5	76.9		71.6	66.0		58.0		55.4	58.8	58.6	55.9		59.9	82.6
	52.6	49.1															

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-457

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 457
DATE 12 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC		
	101.3 106.3 109.3 111.6 117.3 118.6 122.1 123.6 123.6 119.7 112.6 108.8 110.8 110.8	120.9	130.0
	110.5 110.6 110.8 110.9 109.7 107.8 106.1 106.2 104.4 104.8 100.7 100.6		
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC		
	101.5 106.3 109.3 111.7 118.0 118.5 122.9 125.2 125.6 122.0 114.9 104.7 98.3 93.9	117.8	131.0
	92.6 95.4 96.5 97.5 99.3 100.7 100.6 102.7 103.1 103.7 100.3 98.9		
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC		
	101.0 106.4 109.3 111.4 116.5 118.8 121.1 121.1 119.6 114.7 107.3 110.9 113.7 113.8	122.8	128.7
	113.5 113.5 113.8 113.9 112.5 110.4 108.5 108.2 107.1 105.3 105.8 101.0 101.8		
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 34 SEC		
	85.9 92.3 96.1 97.9 99.5 99.3 93.2 90.2 80.6 73.6 74.6 78.6 81.6 83.2	93.2	105.5
	83.6 84.9 85.6 85.5 84.5 81.6		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC		
	82.5 90.0 93.8 95.7 96.0 91.4 84.9 79.6 77.5 72.3 71.0 75.6 79.1 81.6	88.3	101.4
	82.2 82.5 81.2 78.7 75.4 70.8 67.2		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC		
	77.2 84.8 88.8 90.1 89.1 83.2 76.5 70.2 68.8 69.6 70.8	75.3	95.1
	69.5 68.7 66.1 62.1 58.5 54.7		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 36 SEC		
	76.4 83.1 87.0 86.6 81.8 74.1 70.7 65.8 66.7 66.5	69.5	91.4
	64.1 60.6 54.7 48.1		
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 34 SEC		
	76.1 82.9 86.1 84.5 79.8 74.0 69.1 65.3 64.9	67.5	90.3
	63.5 58.8 52.4 44.8		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 34 SEC		
	75.2 81.9 84.8 82.8 78.2 75.4 69.9 68.3 65.0 64.8 65.2	67.3	89.1
	62.1 56.8 50.9		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC		
	72.4 79.6 81.9 79.6 77.1 74.1 69.2 61.2	64.5	86.3
	58.4 53.9 48.8		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-458

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 458
DATE 12 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC		
	101.4 106.7 109.8 111.7 117.7 119.0 122.8 124.3 123.6 119.7 113.4 110.1 112.3 112.7 112.6 112.9 112.8 112.8 111.3 109.5 107.9 107.9 107.0 106.1 107.0 103.3 103.5	122.6	130.6
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC		
	101.6 106.7 109.8 111.9 118.5 118.8 123.6 125.9 125.7 122.1 115.9 105.6 100.0 96.9 96.2 98.8 99.6 100.3 101.9 103.2 102.9 105.0 105.6 105.6 106.7 103.8 103.7	119.0	131.5
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC		
	101.2 106.8 109.8 111.6 116.9 119.1 121.7 121.6 119.3 114.1 107.3 112.2 115.2 115.7 115.6 115.8 115.7 115.7 114.1 111.9 110.1 109.6 108.1 106.6 107.3 102.7 103.4	124.5	129.5
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 20 SEC		
	85.2 92.5 96.2 98.1 100.7 100.8 91.3 89.5 81.7 73.9 74.9 78.8 81.5 83.4 83.3 84.8 84.8 84.3 83.7 82.2 81.1 78.9	93.0	106.1
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 21 SEC		
	80.7 88.4 92.1 94.7 95.8 93.0 83.7 75.6 73.2 68.9 67.9 72.0 75.0 76.4 76.7 77.5 77.3 75.7 73.4 70.7	84.6	100.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 32 SEC		
	76.9 84.8 88.7 89.9 89.9 84.8 77.1 68.1 63.2 61.1 61.1 65.0 67.7 69.3 69.1 69.4 66.9 63.0 57.7 52.2	75.3	95.4
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC		
	74.3 82.0 85.6 85.1 80.6 63.7 64.3 64.8 64.0 62.6 57.0	68.5	89.9
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 33 SEC		
	74.2 81.8 84.6 83.5 77.8 74.6 70.2 66.1 64.4 62.0 58.6	69.0	90.1
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 33 SEC		
	73.0 81.0 83.4 82.7 76.6 74.5 64.9 58.5		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 33 SEC		
	70.2 78.4 80.4 79.2 73.0 61.9 61.2 59.0		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-464

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 464
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 28 SEC 99.1 104.7 108.1 110.4 115.5 117.5 121.5 124.4 126.4 124.6 121.7 119.8 119.1 117.4 115.0 112.8 112.7 113.5 112.4 110.6 109.0 108.6 106.4 104.9 104.5 100.1	124.7	132.5
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 28 SEC 99.5 104.9 108.3 110.6 116.3 117.1 121.7 125.2 127.7 126.2 123.5 121.1 120.3 117.9 113.0 105.5 101.6 97.8 98.9 99.8 99.5 101.8 100.5 99.8 99.1 96.5	123.5	133.4
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 32 SEC 98.7 104.5 107.9 110.1 114.5 117.9 121.2 123.5 124.4 121.9 118.8 118.0 117.3 116.9 116.3 115.4 115.5 116.5 115.3 113.5 111.8 111.1 108.8 107.2 106.8 102.1 101.1	125.7	131.5
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 32 SEC 93.1 98.9 102.5 104.0 108.2 113.0 117.0 118.7 117.9 113.6 109.6 107.0 101.0 99.0 99.3 100.0 100.1 100.1 100.9 101.1 100.1 99.3 95.8 94.8 91.4 88.2 85.1	113.2	124.2
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 30 SEC 91.5 95.2 98.3 99.6 103.0 108.0 111.1 111.9 110.6 103.8 98.2 93.1 88.4 86.0 89.3 90.8 91.1 89.7 90.0 90.3 90.0 89.6	103.6	117.4
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 33 SEC 80.0 86.4 90.7 92.9 96.4 101.6 104.1 102.9 97.0 86.2 80.7 77.7 77.9 79.0 81.2 83.2 83.1 82.2 81.1 79.8	93.5	108.7
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 31 SEC 75.5 82.4 86.6 89.1 92.2 96.9 99.5 98.0 92.1 78.3 70.1 72.0 72.3 74.7 77.1 78.7 79.6 79.5 78.8 76.0 71.2 67.0	89.3	104.0
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 32 SEC 70.4 76.9 81.2 83.3 87.0 91.2 93.4 91.5 85.2 72.2 65.3 66.2 67.3 67.9 69.0 70.7 70.8 69.6 67.6 64.2 59.1	81.5	98.0
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 31 SEC 71.8 75.9 77.5 80.7 84.9 86.1 82.4 75.1 66.1 61.6 61.7 64.6 65.6 67.2 66.4 63.4 60.4 56.2	74.9	90.7
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 31 SEC 64.4 70.0 73.8 75.2 78.3 80.5 80.1 76.9 71.8 61.2 61.1 62.6 63.4 63.3 62.3 59.2 54.8	70.6	86.3
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 31 SEC 63.7 67.9 72.8 73.6 76.6 79.3 77.8 74.9 69.0 62.0 59.2 59.9 61.7 61.3 60.9 59.9 56.4 52.2 47.1	68.6	84.6
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 31 SEC 60.1 65.3 68.7 70.0 72.8 76.2 74.5 71.0 65.0 53.7 56.8 58.0 58.5 57.9 56.4 53.6 49.0	65.3	81.1

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-465

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 465
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	98.7	104.5	107.9	110.0	115.8	117.5	121.4	124.4	126.3	124.2	121.5	119.8	119.1	117.3	124.4	132.4
	114.5	112.1	112.0	113.2	112.2	110.5	108.9	108.2	105.7	104.4	103.9					
S	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	99.0	104.6	108.0	110.2	116.6	117.0	121.6	125.1	127.6	125.8	123.1	120.9	120.2	117.8	123.2	133.1
	112.7	105.3	101.0	97.2	97.7	98.5	98.1	100.3	99.4	98.5	98.0					
T	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	98.4	104.3	107.7	109.9	114.9	118.0	121.3	123.5	124.4	121.7	118.9	118.2	117.6	117.1	125.4	131.4
	115.7	114.6	114.8	116.1	115.1	113.3	111.7	110.9	108.2	106.8	106.3	101.2	100.3			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	93.1	98.5	102.3	103.8	108.6	113.1	116.9	118.6	117.8	113.2	109.4	107.4	102.0	99.7	112.3	124.1
	99.2	99.1	98.6	98.6	99.2	98.9	97.5	96.5	93.4	91.8	88.0	84.8				
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	86.8	93.2	96.9	98.6	102.9	107.9	111.1	111.8	110.5	103.4	97.7	92.8	89.2	89.8	104.2	117.2
	90.6	92.2	92.6	92.0	91.7	91.5	89.7	87.7		84.3						
C	DIST FROM SOURCE: 423 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	79.8	86.3	90.5	92.4	96.4	101.3	103.6	102.0	95.5	84.5	77.8	77.0	78.0	80.4	94.0	108.1
	81.4	83.0	83.7	83.9	83.7	82.8	83.2									
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	75.2	82.2	86.2	88.2	91.7	95.9	97.9	96.3	90.9	76.7	68.4	70.3	71.5	73.9	86.7	102.7
	74.7	76.1	76.0	74.8	73.1	70.8	66.3									
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 34 SEC		
		77.1	81.0	81.8	85.2	89.1	90.7	88.0	81.8	69.2	62.7	65.2	66.0	67.3	78.9	95.4
	67.6	69.0	69.0	67.2	65.1	61.4										
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 34 SEC		
		71.4	76.1	77.5	79.7	83.1	82.9	78.3	71.8	63.0		61.8	61.6	63.2	72.8	88.5
	64.1	65.5	64.7	62.3	58.7	53.1										
G	DIST FROM SOURCE: 2079 METERS													OVERALL SAMPLE DURATION: 34 SEC		
		69.2	72.4	73.5	76.8	78.3	77.0	74.3	70.6				59.7	61.1	68.8	84.1
	62.1	62.0	60.8	57.7	52.9											
H	DIST FROM SOURCE: 2273 METERS													OVERALL SAMPLE DURATION: 34 SEC		
		68.1	71.1	72.3	74.9	76.7	74.7	73.2	68.3			58.8	59.1	60.6	67.7	82.4
	61.0	60.8	59.7	56.1	51.5											
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 33 SEC		
		64.4	67.4	68.9	71.0	72.9	71.1	68.7	64.3				55.9	56.4	63.4	78.1
	56.8	56.6	55.5	52.4	48.5											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-466

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 466
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	98.8	104.6	108.2	110.0	116.2	117.7	121.4	124.6	126.6	124.9	121.8	120.0	119.2	117.6	124.8	132.7
	114.7	112.8	112.9	113.7	112.4	110.4	108.6	108.1	106.0	104.6	104.1	99.4	98.8			
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	99.2	104.8	108.4	110.1	117.1	117.3	121.6	125.3	127.9	126.6	123.6	121.3	120.5	117.9	123.6	133.5
	112.7	105.3	101.4	98.3	99.1	100.1	100.2	102.6	101.1	100.5	99.5	96.3	96.6			
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	98.3	104.4	108.1	109.8	115.2	118.0	121.2	123.7	124.5	122.2	118.8	118.0	117.3	117.2	125.7	131.6
	116.0	115.4	115.7	116.7	115.3	113.2	111.3	110.5	108.2	106.7	106.2	101.2	100.2			
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 35 SEC	
	93.2	98.6	102.7	104.0	109.2	113.4	117.2	119.3	118.4	114.2	109.8	106.8	100.7	100.5	115.1	124.8
	101.2	102.6	103.1	103.6	104.5	104.2	103.0	102.0	98.8	98.2	95.2	92.1	89.2			
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 15 SEC	
	87.0	94.6	97.7	99.2	104.1	108.4	112.1	112.9	111.2	104.4	97.8	92.0	90.2	93.3	108.6	118.4
	94.3	97.7	98.7	98.5	98.7	98.3	96.4	95.0	92.4	90.2						
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 32 SEC	
	80.3	87.1	91.8	93.7	98.4	102.8	105.2	104.0	97.6	85.8	79.7	78.9	80.8	84.8	101.0	110.2
	87.4	90.7	92.1	92.5	92.4	91.5	90.1	87.5	84.0							
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	75.6	82.5	86.8	88.7	93.2	97.4	100.3	99.0	92.9	78.0	70.5	71.2	73.5	76.9	92.0	104.9
	79.2	81.2	81.8	83.1	83.4	81.3	76.8	73.1								
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 31 SEC	
		77.1	81.6	82.8	86.8	90.0	91.7	90.3	84.0	71.3	63.3	64.5	65.3	66.8	79.9	96.7
	67.1	68.8	68.9	67.1	65.0	61.2										
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 33 SEC	
		72.2	76.6	77.7	81.4	84.5	83.7	79.8	73.0	62.6		61.0	61.4	63.7	73.2	89.6
	64.6	65.7	64.6	62.2	58.5	52.6										
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	64.2	70.2	74.4	75.6	79.3	81.1	79.2	76.1	70.5			60.2	60.7	62.1	70.1	86.3
	63.2	63.1	61.8	58.9	54.3	49.6										
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC	
	63.6	69.0	72.9	74.0	77.2	80.0	77.8	74.8	67.6	61.8			59.4	61.2	68.8	84.7
	61.5	61.5	60.8	57.8	53.0	47.3										
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC	
		65.2	69.3	70.5	74.1	76.8	75.1	72.0	63.9			54.1	57.3	56.5	57.9	65.6	81.4
	58.6	58.5	57.5	54.4	50.2											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-467

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 467
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	98.2	104.0	107.9	110.0	115.6	117.2	121.5	124.7	126.3	124.7	121.5	119.9	119.2	117.5	124.7	132.5
	114.5	112.5	112.6	113.7	112.5	110.5	108.6	108.1	106.0	104.5	104.0	99.5	98.8			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	98.5	104.2	108.0	110.2	116.4	116.8	121.7	125.5	127.6	126.4	123.3	121.3	120.6	118.0	123.6	133.4
	112.8	105.3	101.3	98.0	99.3	100.5	100.4	102.7	101.4	100.8	99.9	97.0	96.8			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	97.8	103.8	107.7	109.9	114.6	117.6	121.3	123.8	124.2	122.0	118.5	117.8	117.2	116.9	125.5	131.4
	115.7	115.1	115.4	116.6	115.4	113.3	111.3	110.4	108.2	106.5	106.1	101.1	100.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	92.8	98.1	102.3	103.9	108.4	112.9	117.2	119.1	117.7	113.6	109.4	107.1	101.1	99.5	113.8	124.4
	99.4	100.2	100.6	101.2	102.4	102.5	101.5	100.8	97.7	96.8	93.3	90.2	87.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	86.0	92.6	96.6	98.5	102.6	107.6	111.3	112.3	110.5	103.8	97.7	92.7	89.1	89.4	103.9	117.4
	89.4	90.9	91.3	90.7	91.0	90.9	89.2	87.1	85.3	81.7						
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	79.5	86.3	91.1	93.3	97.0	101.9	104.7	103.5	97.0	86.2	80.0	78.6	78.6	80.4	94.1	109.2
	81.8	83.0	83.3	82.6	82.2	81.3	80.1									
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	74.0	80.7	85.5	88.0	91.8	96.6	99.6	98.2	91.3	76.2	69.6	70.4	71.6	74.3	88.1	103.9
	75.4	77.1	77.2	76.6	75.6	73.5	68.7	64.6								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	70.3	74.7	79.3	81.4	85.1	89.5	92.1	90.5	83.5	69.6	62.5	64.5	65.2	66.4	79.8	96.5
	66.9	68.4	68.4	66.8	64.5	61.2										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
		69.3	72.7	74.6	77.7	81.4	82.8	78.9	70.9	62.6		60.7	60.9	62.7	71.7	87.4
	63.4	64.1	62.7	60.1	56.4	51.0										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC						
		67.8	70.5	71.3	75.7	77.3	77.3	74.3	68.9				59.8	60.9	68.6	83.3
	61.8	61.7	60.7	57.6	53.2											
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 34 SEC						
		68.1	70.4	70.4	73.1	75.3	74.3	71.6	66.9				58.7	60.3	66.8	81.0
	60.4	59.9	58.8	55.3	50.5	46.1										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 28 SEC						
		63.7	66.4	66.5	68.3	71.9	70.9	68.5	63.5			57.4	56.2	57.2	63.5	77.3
	57.4	56.9	55.4	52.3												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-468

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 468
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	98.2	104.9	108.3	110.3	115.8	117.7	121.5	124.5	126.3	125.0	121.8	120.4	120.0	118.3	125.5	132.8
	116.0	114.7	114.1	114.6	113.3	111.3	109.8	109.4	107.3	105.8	105.3	100.8				
S	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	98.6	105.0	108.4	110.5	116.6	117.3	121.7	125.2	127.6	126.6	123.5	121.6	121.2	118.8	124.0	133.5
	114.0	107.6	103.8	98.8	99.1	100.2	100.3	102.3	101.2	100.2	99.4	96.5				
T	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	97.7	104.7	108.1	110.2	114.8	118.1	121.3	123.6	124.4	122.4	119.1	118.7	118.2	117.6	126.7	131.9
	117.3	117.2	116.9	117.5	116.2	114.2	112.6	111.9	109.8	108.2	107.7	102.9	102.0			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	93.0	99.0	102.8	104.3	108.6	113.4	117.1	118.8	117.8	114.0	109.7	107.7	102.2	100.6	114.1	124.5
	101.2	102.6	102.8	102.4	102.4	101.8	100.8	99.8	96.8	95.6	92.1	89.2	86.5			
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	86.4	93.7	97.3	99.0	103.1	108.6	111.5	112.2	110.8	104.4	98.1	93.4	90.2	90.9	105.9	117.7
	92.1	94.4	94.8	94.5	94.6	94.5	92.9	91.1	88.0	85.8	83.1					
C	DIST FROM SOURCE: 423 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	79.8	87.2	91.6	93.4	97.1	102.3	104.6	102.9	96.1	86.3	79.9	78.1	79.6	82.2	94.8	109.1
	83.0	84.1	84.4	84.5	84.2	83.0	81.8									
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	74.0	81.9	86.5	88.4	91.6	96.4	99.0	97.4	91.4	77.6	69.4	69.4	70.8	73.3	87.4	103.5
	75.0	76.3	76.8	75.4	74.0	71.8	66.6									
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 34 SEC		
		75.9	80.4	82.6	86.3	90.6	92.4	90.1	83.4	70.8	63.5	65.5	66.2	68.2	80.4	97.0
	69.4	70.3	69.8	68.1	65.5	62.0										
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 34 SEC		
		71.8	75.7	77.0	80.5	84.8	85.1	80.5	73.9	64.8		62.9	63.2	65.1	74.5	90.0
	66.0	67.1	66.5	63.8	59.8	53.5										
G	DIST FROM SOURCE: 2079 METERS													OVERALL SAMPLE DURATION: 33 SEC		
	65.2	70.7	73.6	74.9	78.8	81.0	80.1	77.0	70.0	64.4		61.4	62.1	63.3	71.2	86.4
	64.7	64.1	62.9	59.5	55.1	50.4										
H	DIST FROM SOURCE: 2273 METERS													OVERALL SAMPLE DURATION: 34 SEC		
		70.0	72.5	73.3	76.8	79.6	78.4	75.8	70.2	63.4	58.9	59.7	59.9	61.4	69.3	84.9
	61.9	62.1	61.0	57.6	52.9	47.1										
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 34 SEC		
		66.9	69.3	70.1	73.6	76.7	75.4	72.7	66.8		55.1	58.0	57.7	59.0	66.5	81.8
	59.7	59.6	57.9	54.9	52.2											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 469
DATE 25 FEB 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-469

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 / 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 99.2 104.3 107.8 109.7 112.7 115.8 118.4 120.5 121.9 122.0 120.9 118.4 119.7 119.5 117.3 115.7 114.9 113.4 111.0 109.1 108.3 108.5 108.7 105.5 105.6 101.3 101.2	125.0	130.6
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 98.4 104.0 107.7 109.6 112.6 114.7 117.6 120.4 122.6 122.9 120.6 117.8 118.5 118.5 115.8 109.9 105.5 99.6 102.4 103.9 104.8 106.0 106.4 104.3 105.0 100.0 99.2	122.5	130.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 99.9 104.6 108.0 109.8 112.7 116.6 119.0 120.6 121.2 120.7 121.1 118.9 120.7 120.8 118.4 118.1 117.7 116.3 113.7 111.5 110.2 110.1 110.2 106.4 106.2 102.3 102.5	126.5	131.0
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 89.7 96.1 99.9 101.1 103.6 108.4 109.9 111.4 112.0 109.5 107.3 103.5 100.8 98.4 98.0 97.9 97.8 97.8 97.6 98.0 96.6 95.3 94.0 90.4 86.6	109.6	118.7
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 87.0 92.? 97.0 97.8 99.9 104.4 105.6 106.6 105.8 101.8 98.9 94.2 91.2 90.2 90.0 90.6 90.8 89.8 88.3 87.2 84.3 82.0	101.3	113.1
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC 81.2 86.4 90.5 91.6 93.9 96.5 97.6 98.0 95.1 89.3 85.4 80.3 78.9 78.5 80.2 80.4 80.2 78.1 77.3 75.4 71.7 68.3	90.4	104.4
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC 74.3 79.5 83.8 84.8 86.9 90.1 91.3 91.9 88.0 78.0 68.2 67.4 68.7 70.2 70.4 71.8 70.8 69.1 67.3 63.5	81.9	97.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 72.6 76.8 77.4 79.0 81.1 82.0 81.2 65.5 64.6 64.9 63.0 60.7 58.0	72.5	88.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 66.1 68.4 70.5 71.2 73.4 74.0 73.6 73.5 70.6 67.4 65.7 65.2 64.3 63.9 63.4 63.7 61.5 57.7 53.4 49.0	70.5	81.8
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC 65.4 66.2 68.6 68.0 69.9 71.4 71.0 70.5 67.1 61.5 58.5 59.7 61.5 62.2 61.8 61.5 59.6 56.1 51.4 49.9	67.9	79.0
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC 63.7 66.7 70.1 68.7 70.6 72.8 72.8 72.7 71.3 68.8 66.0 63.6 62.2 62.8 62.3 61.9 59.1 55.8 52.2 49.1	69.3	81.0

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-470

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 470
DATE 25 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 99.9 104.5 107.6 109.6 113.2 116.1 119.1 121.2 122.7 122.4 120.5 118.5 120.3 119.4 117.1 115.5 114.7 113.3 111.2 109.2 108.0 108.0 107.8 104.8 104.8 100.3 100.2	124.9	130.8
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 99.2 104.2 107.5 109.6 113.1 115.0 118.3 121.1 123.3 123.3 120.3 117.9 118.9 118.1 115.2 109.4 105.1 99.9 102.7 104.0 104.6 105.5 106.0 103.4 103.7 98.9 98.0	122.4	130.3
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 100.4 104.8 107.7 109.7 113.3 116.9 119.7 121.3 121.9 121.1 120.7 119.0 121.3 120.5 118.4 118.0 117.5 116.2 113.9 111.5 109.8 109.6 109.1 105.8 105.6 101.3 101.6	126.5	131.3
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 91.2 96.7 100.3 101.6 104.6 109.3 110.9 112.2 112.8 109.8 106.3 102.5 99.6 98.2 98.8 99.6 99.7 99.7 99.0 98.9 97.4 96.4 94.2 93.3 90.2 87.7	110.5	119.4
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 88.9 93.7 97.6 98.9 101.5 105.6 106.9 108.1 107.2 102.7 98.1 92.7 91.4 92.4 92.6 93.4 93.7 93.4 92.7 91.7 88.5 86.5 84.5 81.2	103.6	114.4
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC 82.9 88.1 92.2 93.7 96.8 99.5 100.5 100.5 97.5 90.8 86.8 82.2 83.3 84.2 85.3 85.1 84.6 83.6 82.1 80.4 77.2 72.9 67.8	94.2	107.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 33 SEC 76.4 80.7 85.1 86.8 89.8 93.0 95.2 95.5 92.2 82.0 72.6 70.9 71.7 73.2 73.1 74.4 73.4 71.7 69.6 66.0	85.3	101.0
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 72.5 76.7 81.1 82.4 85.4 87.5 89.1 87.5 82.9 74.3 68.8 69.1 70.3 69.6 68.9 69.6 68.7 66.1 63.3 58.1	78.9	94.7
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 67.8 71.5 74.6 75.1 76.4 78.6 79.4 77.2 72.8 67.0 64.0 64.1 64.8 64.8 64.3 64.4 62.5 59.1 53.4 47.3	71.6	85.8
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC 68.9 72.9 73.4 74.1 75.2 76.0 73.7 67.6 60.1 57.4 59.9 62.3 63.8 63.2 63.4 61.0 57.0 50.5	69.5	82.8
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC 68.2 71.7 72.3 73.9 75.2 74.4 71.8 65.9 60.7 58.6 60.6 62.1 62.8 61.5 60.5 57.3 52.9 46.2	67.6	81.8

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-471

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 471
DATE 25 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	99.2	104.5	107.8	110.0	113.5	116.6	119.5	121.4	123.1	123.1	121.2	119.1	121.0	120.3		125.9	131.5
	118.0	116.9	116.3	114.6	112.1	110.0	109.1	109.0	108.8	106.0	106.0	101.6	101.4				
S	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.4	104.2	107.7	110.0	113.5	115.6	118.9	121.3	123.8	124.0	120.9	118.5	119.7	119.8		123.2	130.9
	116.2	110.7	106.3	100.1	102.1	103.3	104.0	105.4	106.0	104.2	105.0	100.3	99.6				
T	DIST FROM SOURCE: 66 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	99.9	104.9	107.9	110.1	113.5	117.5	120.1	121.4	122.3	121.8	121.4	119.7	122.1	121.2		127.6	132.0
	119.3	119.4	119.1	117.5	114.9	112.6	111.4	111.0	110.5	107.2	106.9	102.6	102.8				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	90.0	96.6	100.2	101.8	104.5	109.3	110.7	111.4	112.2	109.4	105.9	101.8	97.5	95.8		109.7	118.8
	96.2	97.3	97.9	98.6	98.6	99.4	97.8	96.6	94.5	91.9	88.8	88.3					
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	87.8	93.6	97.8	99.2	101.8	106.5	107.6	107.7	106.4	101.6	96.3	90.0	88.1	89.6		101.5	114.3
	90.9	91.0	91.0	90.5	89.6	88.3	85.3	83.0									
C	DIST FROM SOURCE: 431 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	81.8	87.7	91.8	93.1	96.3	99.5	100.1	99.6	96.7	89.8	85.6	81.1	81.0	81.5		92.8	106.5
	82.8	83.1	83.0	81.8	80.9	79.2	76.0	71.5									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 15 SEC		
	75.3	80.6	85.4	87.2	89.7	94.1	95.5	95.5	90.9	81.4	72.3	70.5	71.6	72.8		85.0	101.2
	72.8	73.8	73.0	71.0	68.9	65.2											
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
		76.6	80.3	80.8	82.7	86.2	86.5	84.4	78.4	70.6	67.1	68.3	69.3	68.7		76.7	92.3
	68.2	68.2	66.7	64.0	60.3	54.9											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	68.6	73.2	76.7	77.5	78.0	80.9	81.7	78.6	74.2	68.8	66.1	65.3	65.5	65.4		73.3	87.8
	65.7	66.4	64.7	60.7	55.2	47.8											
G	DIST FROM SOURCE: 2087 METERS														OVERALL SAMPLE DURATION: 13 SEC		
	64.0	69.4	72.6	73.4	75.6	78.2	78.9	76.4	70.5	60.4	56.6	58.6	61.1	62.3		69.3	84.7
	62.1	61.9	60.2	55.9	49.7												
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 11 SEC		
			69.8	71.3	73.8	77.0	76.6	74.2	66.7	58.8	56.7	58.0	59.1	59.4		66.1	82.7
	58.5	57.8	54.6	49.5	43.1												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-472

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 472
DATE 25 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	98.9	103.9	107.8	109.8	113.5	116.2	118.9	121.1	122.6	122.2	120.5	118.3	120.3	119.6		124.9	130.8
	117.0	115.5	114.8	113.1	110.9	109.1	108.2	108.0	107.7	104.7	104.8	100.5	100.4				
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	98.2	103.6	107.7	109.7	113.5	115.1	118.3	121.1	123.2	123.2	120.4	117.6	119.0	118.6		122.4	130.3
	115.4	110.0	105.9	99.9	102.0	103.1	103.4	104.4	104.9	102.7	103.4	99.1	98.7				
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 33 SEC							
	99.5	104.2	107.9	109.9	113.5	117.0	119.5	121.1	121.8	120.9	120.6	118.9	121.3	120.4		126.5	131.2
	118.1	117.9	117.5	116.0	113.6	111.6	110.4	109.9	109.3	106.1	105.9	101.6	101.6				
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	90.0	96.1	100.3	101.8	104.9	109.3	110.7	112.0	112.4	109.5	106.6	103.2	101.1	100.0		111.3	119.4
	100.1	100.8	101.0	101.0	100.4	100.2	98.5	97.4	95.3	93.5	90.5	91.0					
B	DIST FROM SOURCE: 230 METERS									OVERALL SAMPLE DURATION: 35 SEC							
	88.0	93.4	98.1	99.2	101.9	105.9	107.0	107.8	106.9	102.6	98.1	92.4	90.6	91.4		103.0	114.3
	92.0	92.8	93.4	92.5	91.5	90.4	87.5	85.2									
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	82.4	87.8	92.7	94.2	97.4	100.1	100.6	100.5	97.0	90.1	86.4	82.1	82.9	84.4		94.7	107.2
	85.8	85.8	85.8	84.3	83.0	81.4	78.5	74.4	68.8								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	76.0	80.8	86.1	88.0	90.9	94.5	96.3	96.2	91.7	80.7	72.1	71.6	73.3	75.7		88.0	102.0
	77.2	79.5	79.6	78.2	75.7	72.6											
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 32 SEC							
	71.2	76.3	81.2	82.1	83.6	85.9	86.9	85.0	79.1	69.8	64.9	66.8	68.1	68.4		77.0	92.8
	68.7	68.8	67.5	65.0	61.4	55.7											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	66.8	71.5	76.2	76.4	78.4	80.4	80.2	77.4	73.7	68.2	63.5	62.8	63.1	63.6		71.6	86.8
	64.1	64.5	62.2	58.4	53.1	48.4											
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC							
	63.1	67.6	72.7	73.4	75.8	77.7	77.4	73.3	67.6	60.0	55.8	58.0	60.8	62.0		68.0	83.6
	61.1	60.9	58.7	54.5													
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC							
		67.3	72.5	72.9	75.0	76.4	75.8	72.5	65.2	59.6	56.4	58.1	59.2	60.5		66.4	82.6
	59.9	59.0	56.2	51.3	44.5												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 473
DATE 25 FEB 81

MICROPHONE:
ARRAY 05

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-473

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC 98.8 104.4 107.4 109.7 113.3 116.4 119.4 121.7 123.6 123.0 120.8 119.2 121.4 120.5 118.4 117.1 116.2 114.6 112.0 110.1 109.3 109.4 108.7 106.2 106.2 101.9 101.7	126.1	131.6
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC 98.5 104.2 107.4 109.7 113.3 115.4 118.7 121.8 124.4 124.1 120.8 118.5 120.1 119.3 116.5 110.9 106.6 100.3 102.5 103.8 104.5 105.6 106.1 104.3 104.7 100.4 99.5	123.3	131.1
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 36 SEC 99.1 104.6 107.5 109.8 113.3 117.2 119.9 121.6 122.7 121.5 120.8 119.8 122.4 121.5 119.6 119.5 119.0 117.6 114.8 112.6 111.5 111.3 110.3 107.6 107.3 103.0 103.2	127.7	132.1
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 90.0 96.6 100.0 102.0 105.0 109.6 111.1 112.5 113.5 110.3 107.2 103.6 100.6 98.4 98.2 98.7 98.2 97.5 97.1 97.7 96.7 96.1 93.6 92.0 88.3 87.9	110.0	119.7
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC 87.0 93.0 96.7 98.3 101.3 105.8 107.0 107.8 107.0 102.0 98.2 93.2 90.0 89.5 89.5 90.1 90.4 89.8 88.9 87.8 85.2 83.5	101.5	114.1
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC 80.5 86.1 89.8 91.0 93.9 97.3 98.7 99.0 96.1 88.3 81.9 79.3 79.2 79.1 79.8 79.9 79.1 77.6 76.4 74.6 71.1 66.8	90.3	105.0
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 26 SEC 73.7 78.7 83.1 84.4 85.8 90.3 92.4 91.6 87.4 78.0 69.7 69.4 69.9 70.9 70.7 71.7 70.6 68.7 66.6 62.6	81.9	97.7
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 33 SEC 70.1 74.6 78.5 79.1 80.1 82.6 85.0 82.9 77.9 70.2 64.6 66.3 66.8 67.0 66.6 66.6 65.1 62.6 59.1 53.6	75.1	90.4
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 36 SEC 66.8 70.5 74.1 75.0 75.7 77.0 79.3 77.9 74.4 67.3 63.3 62.5 63.3 63.1 62.6 62.9 60.7 57.1 51.8 46.5	70.7	85.4
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 13 SEC 64.5 66.7 69.7 70.7 71.9 74.4 73.0 68.9 57.0 58.9 59.1 57.9 59.0 56.8 53.0	66.0	80.1
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 17 SEC 69.0 72.8 72.4 73.8 76.2 73.9 70.6 65.9 60.9 58.1 58.4 58.8 59.5 58.6 57.5 54.9 50.1 44.2	65.4	82.0

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-474

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 474
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	98.5	104.3	107.9	110.3	114.7	117.2	120.4	123.1	125.2	123.7	120.5	118.5	119.1	117.5	123.7	131.5
	115.5	113.2	111.4	111.5	110.4	108.8	107.7	107.5								
S	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	99.0	104.7	108.2	110.7	115.6	117.0	120.4	123.7	126.5	125.1	121.7	118.6	119.3	116.7	122.1	132.1
	112.9	107.8	103.4	97.8	93.5	93.0	92.8	93.6								
T	DIST FROM SOURCE: 75 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	98.0	103.8	107.5	109.9	113.5	117.3	120.4	122.3	123.3	121.6	118.7	118.4	118.9	118.1	125.1	130.9
	117.1	115.5	114.1	114.4	113.4	111.7	110.6	110.4	108.4	106.8	106.5	101.5	100.8			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	93.5	98.8	103.1	104.8	108.1	113.5	116.8	118.0	117.4	113.8	110.1	109.3	107.1	103.6	112.4	124.1
	102.1	100.9	99.0	96.8	95.2	93.3	90.6	88.6	85.0	82.8						
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	87.3	93.6	97.8	100.1	103.8	109.2	112.3	113.1	112.5	107.0	102.4	100.1	97.8	94.8	106.2	118.9
	94.6	95.2	94.6	92.7	91.2	89.6	86.4	83.8	81.1							
C	DIST FROM SOURCE: 423 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	79.9	85.8	90.5	92.3	95.3	100.5	102.6	101.8	97.9	89.8	85.6	83.9	81.5	81.0	92.7	107.8
	81.1	81.9	81.3	79.7	78.5	77.3										
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	75.0	81.1	85.7	88.0	90.4	95.6	97.8	97.5	93.9	84.5	76.9	76.5	75.5	75.7	88.0	103.2
	75.9	77.2	76.9	75.1	73.7	71.4	65.9									
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	69.2	76.3	80.7	82.5	85.3	90.6	92.2	91.4	87.3	76.8	66.8	66.1	66.4	67.6	80.8	97.4
	68.0	68.7	68.0	66.2	63.2	58.5										
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	65.0	71.8	75.7	76.7	78.9	84.2	85.4	83.1	75.8	65.7		64.1	63.5	64.0	73.5	90.3
	63.7	64.5	62.0	58.4	53.5											
G	DIST FROM SOURCE: 2079 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	63.3	70.5	75.2	77.3	79.2	81.4	80.6	78.8	74.5	65.5	64.5	64.6	64.4	64.6	72.3	87.5
	65.8	64.9	62.6	58.4	52.3	44.8										
H	DIST FROM SOURCE: 2273 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	62.4	67.7	72.9	74.8	76.3	80.2	79.1	75.0	70.8	63.4	61.5	61.6	62.4	62.2	69.1	85.3
	62.0	60.8	58.4	53.8	47.4	41.0										
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	59.1	65.5	70.4	72.5	74.2	78.2	77.9	74.0	69.0	61.9	59.6	61.0	61.2	61.4	67.9	83.6
	61.0	60.0	57.2	52.9	46.3											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-475

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 475
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC 98.4 104.3 107.7 110.0 114.9 117.2 120.5 123.4 125.4 123.8 120.6 118.5 119.1 117.3 114.6 111.9 111.0 111.7 110.8 109.1 107.9 107.6	123.6	131.6
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 33 SEC 98.9 104.7 108.1 110.3 115.8 117.0 120.5 124.1 126.8 125.3 122.1 119.2 119.9 117.5 113.3 107.8 103.7 98.2 95.0 95.1 93.8 94.6	122.6	132.4
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC 97.8 103.9 107.3 109.6 113.6 117.3 120.4 122.6 123.4 121.4 118.3 117.7 118.2 117.1 115.6 113.9 113.5 114.6 113.7 112.0 110.9 110.5 108.0 106.3 105.9 100.9 100.2	124.7	130.7
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 93.8 99.3 103.1 104.5 108.3 113.4 116.6 118.4 117.7 114.0 110.1 108.7 105.7 102.0 100.7 100.0 98.6 97.6 97.1 96.7 95.1 93.8 90.5 88.7 84.4 82.0	112.4	124.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 87.2 93.5 97.3 99.1 103.0 108.1 110.9 111.8 111.0 105.4 101.0 98.3 95.9 91.5 88.3 88.4 88.2 87.1 85.6 84.0 81.2 78.9	103.6	117.5
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 34 SEC 80.4 86.7 91.1 92.6 96.0 100.5 101.9 101.4 97.8 90.0 84.5 81.6 79.2 79.5 79.6 79.9 80.3 80.0 79.2 76.9	92.1	107.5
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC 76.2 82.0 86.1 87.6 90.3 95.3 96.9 96.2 92.2 82.0 75.8 73.9 73.0 73.9 74.9 76.7 76.0 74.1 71.8 68.8 64.3	86.6	102.3
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 71.6 77.8 82.1 83.0 84.8 89.3 90.1 89.4 85.4 75.7 68.3 68.8 70.2 69.4 69.5 70.6 70.3 68.3 64.9 59.6	80.3	96.0
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 68.3 73.4 76.8 77.3 78.9 81.4 81.9 79.9 75.5 66.4 65.0 65.1 64.8 64.4 64.3 64.4 62.4 58.8 53.9 47.7	72.5	88.2
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 34 SEC 67.5 74.1 77.4 77.6 78.1 80.8 78.0 77.5 74.5 68.2 64.5 65.6 65.1 65.1 66.0 64.8 62.5 58.5 52.2 44.5	72.2	87.0
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 34 SEC 66.0 73.0 76.5 76.1 77.0 80.0 77.5 76.2 72.8 65.7 63.1 62.7 62.9 62.9 62.6 61.4 59.0 54.9 48.0 39.8	69.8	85.9
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC 63.3 70.6 73.9 73.1 74.0 77.0 75.4 73.2 69.8 63.5 61.4 62.1 61.2 60.9 60.2 58.9 56.1 51.9 45.0	67.3	83.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-476

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 476
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.3	104.5	107.7	110.3	114.8	117.2	120.5	122.9	125.1	124.0	120.7	118.5	119.1	117.6		123.7	131.5
	115.1	112.5	111.4	111.9	110.7	109.0	107.8	107.7									
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	98.8	104.9	108.0	110.7	115.8	117.1	120.6	123.5	126.4	125.4	122.0	118.7	119.0	116.8		122.1	132.1
	112.5	107.3	103.7	98.4	94.3	93.7	93.2	93.9									
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	97.7	104.1	107.3	109.8	113.6	117.3	120.5	122.2	123.4	121.9	118.8	118.2	119.1	118.2		125.2	131.0
	116.7	114.8	114.0	114.8	113.7	112.0	110.7	110.6	108.5	106.7	106.3	101.4	100.5				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	93.2	99.1	102.6	104.4	108.1	113.0	116.4	117.5	117.0	113.8	109.9	109.1	107.2	103.2		111.6	123.7
	100.7	98.7	96.0	93.1	90.7	88.8	86.4	84.8	80.9	79.3							
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	87.0	93.6	97.0	99.0	102.6	107.3	110.4	110.7	110.0	104.8	100.6	98.8	96.7	91.4		102.7	116.7
	87.0	85.4	84.5	83.6	82.6	81.2	78.0	75.8									
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	80.2	86.7	90.4	91.7	94.5	98.9	100.6	99.4	95.9	89.2	84.6	81.8	78.6	76.7		89.9	106.0
	77.0	76.7	75.7	75.3	74.0	72.1											
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 33 SEC		
	76.5	83.2	86.9	88.7	91.2	95.6	97.4	96.0	92.1	83.8	77.5	76.8	74.5	74.9		86.7	102.6
	75.2	75.6	75.3	73.8	71.2	68.5	63.1										
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	70.9	77.8	82.2	83.4	86.0	90.0	91.1	88.7	84.8	74.8	67.0	68.5	68.9	68.8		79.7	96.3
	68.7	69.6	68.3	66.0	63.0	58.7											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	67.1	73.9	78.5	80.2	82.8	86.2	87.5	84.5	76.0	69.1	65.3	65.9	65.5	66.6		76.1	92.4
	66.9	68.2	66.6	63.0	58.9	51.8											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	66.4	73.4	77.3	79.0	82.0	85.4	84.5	82.4	77.6	68.3	65.6	66.0	66.1	67.3		75.3	90.9
	68.0	67.4	65.7	62.2	56.0	48.0											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	65.5	72.0	76.3	77.4	79.6	83.9	84.4	80.8	76.7	67.6	64.0	64.6	64.5	65.1		73.0	89.6
	64.8	63.4	61.3	56.8	50.2	42.3											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	63.4	70.4	74.4	75.5	77.7	81.8	83.2	79.7	75.6	65.8	63.2	63.9	64.3	64.0		71.9	88.1
	63.3	62.9	60.4	56.2	49.5												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-477

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 477
DATE 25 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 98.4 104.0 107.8 110.1 114.7 117.0 119.8 122.4 124.4 123.3 120.2 117.9 116.5 117.1 114.8 112.5 110.6 110.1 108.9 107.0 105.5	122.8	130.9
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC 98.9 104.3 108.1 110.4 115.6 116.8 119.8 123.0 125.7 124.7 121.3 117.7 118.0 115.8 111.4 106.3 102.1 96.4 92.2 91.9 93.7	121.2	131.4
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC 97.9 103.6 107.4 109.7 113.6 117.2 119.8 121.7 122.7 121.4 118.6 118.1 119.0 118.1 116.6 115.0 113.3 113.0 111.8 110.0 108.5 108.4 106.1 104.4 103.7 98.7 98.3	124.3	130.5
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC 93.5 98.8 103.0 104.6 108.1 113.1 115.7 117.1 116.3 112.8 109.2 108.0 105.9 101.3 98.7 97.2 94.8 92.3 91.0 89.6 87.6 86.3 82.0 80.6	110.7	123.1
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 33 SEC 87.5 93.3 97.6 99.5 103.3 108.2 110.7 111.7 110.9 105.5 100.9 98.4 95.8 91.6 88.7 87.1 86.1 85.1 84.2 82.9 79.7 76.9	103.4	117.5
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 36 SEC 80.9 86.4 91.3 92.9 95.8 100.1 101.2 100.4 95.8 86.8 82.6 80.0 79.0 79.2 80.1 81.2 80.3 79.2 78.0 76.2	91.3	106.8
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 35 SEC 75.6 81.6 86.5 88.2 90.5 94.6 96.0 95.3 91.1 80.5 72.6 72.3 72.9 73.5 74.3 75.6 75.2 73.4 72.0 69.1 63.1	85.8	101.5
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC 71.0 75.2 80.0 81.5 83.8 86.5 86.8 85.8 81.4 72.8 67.4 69.1 69.0 68.4 67.7 68.1 67.4 64.9 61.1 56.7	77.4	93.1
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC 66.0 70.5 75.8 76.9 79.3 81.9 80.4 79.5 74.2 67.4 64.8 65.0 65.1 65.0 65.9 63.3 59.5 54.6	72.6	87.7
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 35 SEC 66.0 71.1 75.3 76.0 78.3 78.9 77.7 76.1 73.0 66.5 64.0 64.9 65.7 66.7 66.9 65.6 63.3 58.8 52.6 44.7	72.5	85.8
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 35 SEC 65.3 71.0 75.1 75.7 77.8 79.5 76.1 75.7 73.4 67.5 64.8 65.4 65.6 66.7 66.6 65.9 63.8 59.4 52.3 43.4	72.5	85.6
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 35 SEC 63.0 69.5 73.4 73.7 76.0 77.8 74.6 73.2 71.4 65.4 63.2 64.1 63.7 64.1 63.8 62.9 60.4 56.6 49.3	70.0	83.8

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION O2 HT AGL 1.5 M

EVENT:
NUMBER 478
DATE 25 FEB 81

MICROPHONE:
ARRAY O6

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-478

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC		
	98.6 104.2 107.9 110.1 114.9 117.1 119.8 122.6 124.5 123.5 120.4 118.4 119.2 117.7	123.4	131.2
	115.4 113.2 111.4 111.1 110.0 108.2 106.8		
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC		
	99.1 104.6 108.3 110.4 115.8 117.0 119.8 123.2 125.8 124.8 121.6 118.3 118.9 116.6	121.8	131.6
	112.4 107.5 103.4 97.8 93.7 93.0 94.0		
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 35 SEC		
	98.0 103.8 107.5 109.7 113.7 117.3 119.8 122.0 122.8 121.5 118.9 118.5 119.5 118.6	125.0	130.8
	117.2 115.5 114.0 114.0 113.0 111.2 109.7 109.7 107.5 105.9 105.5 100.5 99.7		
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC		
	93.5 98.9 103.2 104.4 108.2 113.3 116.0 117.6 116.8 113.4 109.7 108.8 106.8 102.9	111.7	123.6
	101.1 99.8 97.8 95.1 93.2 91.3 89.1 87.7 83.6 81.9		
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC		
	87.3 93.3 97.5 99.0 102.9 107.9 110.0 111.0 110.1 105.0 100.8 99.1 97.4 93.5	103.7	116.9
	91.5 91.3 90.0 87.6 86.1 84.5 81.7 80.3		
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 36 SEC		
	80.2 86.0 90.5 91.9 95.0 98.9 99.3 98.6 94.6 87.7 82.7 80.9 79.7 79.8	90.9	105.4
	79.6 80.9 80.9 80.0 79.3 77.5		
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 25 SEC		
	74.6 80.2 85.0 85.7 88.8 92.9 93.1 91.6 86.0 76.2 74.4 74.5 72.9 72.9	83.2	98.8
	72.9 73.8 72.9 71.6 69.4 66.2		
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 35 SEC		
	75.8 80.1 79.9 82.6 87.0 87.1 86.0 81.5 72.7 67.8 69.6 69.9 69.1	77.8	93.1
	68.6 68.6 67.6 64.9 61.6 56.6		
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 35 SEC		
	65.6 70.3 75.3 75.5 77.2 81.2 81.2 79.2 73.2 66.3 64.0 64.0 65.0	73.1	87.2
	65.8 67.0 64.8 61.3 56.4 49.5		
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 34 SEC		
	63.8 69.5 74.0 75.0 77.2 79.6 78.9 77.3 71.8 65.4 63.4 64.5 65.0 65.4	72.3	85.8
	66.4 65.8 63.7 59.6 52.9 45.0		
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 35 SEC		
	62.7 68.1 72.3 73.2 75.1 78.1 76.7 74.5 70.2 64.1 62.3 62.4 62.9 63.2	69.1	83.8
	62.4 61.4 59.0 54.3 47.6 39.6		
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC		
	60.8 65.9 70.1 70.6 73.6 75.3 74.3 72.3 67.8 62.6 60.1 61.5 61.9 61.7	67.4	81.3
	61.2 60.0 57.2 52.3 45.6		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-479

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 479
DATE 27 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	99.5	105.2	108.5	110.0	114.7	117.1	121.0	124.0	126.5	126.2	124.6	123.8	124.8	122.9	128.4	134.4
	120.8	117.8	115.2	114.2	113.7	113.2	112.5	112.5	111.6	109.8	108.9	103.3	103.1			
S	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	99.2	105.2	108.7	110.1	115.0	116.5	121.0	124.7	127.7	127.7	125.3	124.2	125.2	122.9	128.1	134.9
	120.6	113.3	107.7	108.5	111.2	112.3	112.8	113.5	113.1	111.1	110.1	104.0	103.8			
T	DIST FROM SOURCE: 66 METERS													OVERALL SAMPLE DURATION: 35 SEC		
	99.7	105.3	108.4	109.8	114.5	117.6	121.1	123.3	124.7	123.9	123.8	123.3	124.5	123.0	128.6	133.7
	121.0	120.0	117.8	116.6	115.2	113.9	112.1	111.3	109.5	107.8	107.4	102.4	102.3			
A	DIST FROM SOURCE: 134 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	91.4	98.7	102.0	103.6	107.8	112.7	115.6	117.0	117.2	113.2	107.7	99.1	104.1	107.2	119.4	124.5
	110.4	112.8	112.8	109.8	105.8	108.4	104.6	103.6	100.2	99.3	96.5	93.5	90.0			
B	DIST FROM SOURCE: 238 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	88.6	95.5	99.3	100.8	104.4	109.9	111.8	111.9	108.8	96.9	86.5	92.7	99.8	105.4	114.1	119.2
	108.1	108.7	105.6	103.0	100.2	102.0	100.3	97.6	95.1	93.2	88.0	84.0	81.4			
C	DIST FROM SOURCE: 431 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	83.7	91.0	95.4	97.4	101.6	106.0	105.2	100.0	89.0	77.7	77.9	86.0	94.2	99.7	104.2	111.6
	99.9	98.6	94.9	90.3	89.8	90.3	86.2	83.0	76.3	73.4						
D	DIST FROM SOURCE: 753 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	79.1	87.0	92.5	94.7	98.1	103.0	101.2	97.7	88.1	77.8	76.4	86.7	92.6	95.2	99.2	108.1
	94.3	93.8	89.1	82.7	85.4	81.8	76.0	72.8								
E	DIST FROM SOURCE: 1255 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	75.8	84.4	90.0	91.1	93.0	93.8	88.6	79.8	77.4	68.3	71.6	80.9	82.0	85.9	88.6	99.6
	85.1	82.2	75.9	72.6	71.9	64.6	59.5									
F	DIST FROM SOURCE: 1757 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	73.3	81.1	86.3	87.4	86.6	83.1	80.4	80.6	76.3	64.5	64.5	74.8	78.9	79.9	83.4	93.9
	78.1	79.0	72.4	65.5	63.8	55.7										
G	DIST FROM SOURCE: 2087 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	69.8	78.4	84.3	84.7	83.8	82.4	76.7	66.4	69.7	63.4	65.2	75.8	78.7	75.1	79.5	91.2
	74.2	71.9	64.3	64.0	57.9	50.9										
I	DIST FROM SOURCE: 2377 METERS													OVERALL SAMPLE DURATION: 34 SEC		
	70.1	79.4	85.1	85.1	84.2	85.4	82.3	75.2	65.9	60.0	60.3	72.8	75.4	72.9	76.4	92.2
	69.4	66.4	60.0	60.0	54.1	45.8										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-480

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 480
DATE 27 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC		
	99.7 105.1 107.9 110.0 115.4 116.9 120.9 124.1 126.5 126.3 124.6 123.7 124.9 122.9 120.7 117.8 115.2 114.2 113.8 113.2 112.6 112.6 111.6 109.7 108.7 103.2 103.1	128.4	134.4
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC		
	99.6 105.0 108.1 110.2 115.7 116.4 120.9 124.8 127.8 127.8 125.3 124.3 125.3 123.0 120.5 113.3 107.8 108.5 111.4 112.5 113.1 113.7 113.2 111.1 109.9 103.9 103.9	128.2	135.0
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC		
	99.8 105.1 107.8 109.8 115.1 117.4 121.0 123.3 124.6 124.0 123.8 123.1 124.5 122.8 120.9 120.0 117.8 116.6 115.3 113.9 112.1 111.3 109.1 107.7 107.1 102.4 102.1	128.5	133.7
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 35 SEC		
	91.9 98.5 101.5 103.5 108.4 112.5 115.6 117.2 117.3 113.0 107.3 99.7 104.4 107.5 110.4 113.0 112.5 108.6 106.7 108.4 103.7 103.4 99.8 98.7 96.1 93.3 89.9	119.3	124.5
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC		
	89.0 95.5 99.1 101.1 105.5 110.2 112.2 112.2 108.6 95.7 88.2 93.9 100.8 106.4 108.6 108.0 104.4 102.0 101.6 102.5 99.8 98.2 94.0 91.9 86.4 82.2	114.0	119.3
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 34 SEC		
	84.2 90.9 95.1 97.5 102.6 106.0 104.9 99.5 90.8 78.2 79.8 88.6 96.9 100.2 98.1 98.7 94.4 90.8 92.1 89.9 87.7 83.4 77.2 74.8	104.3	111.7
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC		
	79.4 86.9 92.1 95.0 99.1 103.1 101.2 97.4 88.5 77.5 78.6 88.9 93.7 93.8 94.0 92.9 87.8 82.8 85.1 81.4 76.6 72.7	98.7	108.1
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC		
	76.6 84.6 89.9 91.5 93.9 93.8 88.3 80.1 78.1 70.8 74.2 82.9 83.3 85.2 85.0 82.8 76.1 73.2 73.6 65.7 60.3	88.9	99.9
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC		
	73.8 81.2 86.1 87.2 87.4 83.4 80.2 80.0 76.8 67.1 68.3 76.4 79.3 81.4 79.8 78.0 71.9 67.5 65.9 57.8	84.1	94.1
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 30 SEC		
	69.9 78.2 83.6 84.6 84.6 82.9 77.8 66.1 68.5 63.9 68.8 77.7 79.0 74.9 74.3 70.3 64.5 64.4 58.2 50.7	79.6	91.4
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC		
	70.1 78.9 84.4 84.9 85.0 85.7 82.8 76.2 65.8 59.4 63.3 75.3 76.5 74.7 70.1 65.3 59.2 58.4 52.2 43.0	77.4	92.4

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-481

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 481
DATE 27 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	99.8	105.1	108.2	110.2	115.1	117.2	121.4	124.4	126.7	126.8	124.8	124.1	124.9	123.0		128.5	134.6
	120.8	117.4	114.7	114.3	114.0	113.5	113.0	112.9	111.9	109.6	108.5	103.3	103.1				
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 36 SEC					
	99.6	105.0	108.3	110.4	115.4	116.6	121.4	125.1	128.0	128.4	125.6	124.8	125.2	123.1		128.4	135.3
	120.6	113.1	108.1	109.1	111.9	113.1	113.5	114.0	113.4	110.8	109.3	103.8	103.9				
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	99.9	105.1	108.0	110.0	114.8	117.7	121.4	123.5	124.8	124.2	123.8	123.2	124.5	122.9		128.5	133.8
	121.0	119.5	117.2	116.6	115.5	113.8	112.3	111.5	109.7	108.0	107.4	102.8	102.2				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	91.6	98.6	101.6	104.0	108.2	112.9	116.1	117.5	117.5	113.0	106.9	100.9	105.1	108.6		119.3	124.7
	111.4	113.3	112.0	107.4	108.4	107.8	103.5	102.7	100.0	98.8	96.2	93.4	90.0				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	88.7	95.4	99.0	101.4	105.2	110.4	112.4	112.3	108.3	95.6	88.3	93.7	101.0	106.4		113.5	119.3
	108.5	106.5	104.2	100.8	102.3	101.8	99.2	96.7	93.6	91.2	86.2	82.0					
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	83.9	91.0	95.2	98.0	102.4	106.4	105.4	99.9	91.0	77.5	78.8	88.4	97.1	100.7		104.0	111.9
	99.0	97.5	92.8	89.7	91.5	88.2	86.4	82.3	75.6	72.4							
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	78.8	86.6	91.8	95.0	98.6	103.1	101.6	97.5	88.3	75.8	74.4	85.6	92.2	93.4		97.4	107.9
	92.9	91.7	86.4	80.5	82.3	78.2	72.4										
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	76.3	84.3	89.9	91.7	93.6	93.9	88.6	79.6	77.4	67.2	69.3	81.5	84.0	84.1		88.0	99.8
	83.9	80.9	75.3	73.8	72.6	64.5	59.5										
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	73.9	81.3	85.8	87.6	87.2	83.6	80.1	79.1	76.2	65.0	66.8	78.1	80.0	80.6		84.8	94.2
	81.4	79.3	73.0	67.3	64.0	56.8											
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	70.2	78.5	84.1	85.0	84.4	82.9	78.5	64.8	68.2	63.9	65.0	77.2	77.4	73.3		79.1	91.4
	75.3	70.5	64.1	63.1	58.1	49.6											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	70.2	79.2	84.6	85.1	84.6	85.8	83.0	76.7	66.7	58.9	60.2	73.8	74.4	72.6		76.3	92.4
	71.2	64.3	58.2	56.0	51.3	40.9											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-482

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 482
DATE 27 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)	AL (DBA)	OASPL (DB)
	25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K		
U	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 99.3 105.0 108.0 110.4 115.7 117.4 121.5 124.3 126.5 126.7 125.0 124.2 124.9 123.1 120.9 117.2 114.7 114.4 114.0 113.5 113.1 113.1 111.9 109.8 108.5 103.2 103.1	128.5	134.6
S	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 34 SEC 99.3 105.0 108.2 110.6 116.0 116.9 121.6 125.1 127.8 128.4 125.8 125.0 125.4 123.4 121.0 113.4 108.2 109.2 112.1 113.3 113.8 114.3 113.6 111.2 109.5 103.8 103.9	128.6	135.4
T	DIST FROM SOURCE: 66 METERS OVERALL SAMPLE DURATION: 35 SEC 99.3 105.0 107.8 110.2 115.3 117.9 121.5 123.5 124.5 124.0 124.0 123.2 124.3 122.8 120.8 119.2 117.2 116.7 115.3 113.7 112.1 111.3 109.1 107.8 107.3 102.6 102.1	128.4	133.7
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 91.5 98.5 101.4 104.0 108.7 113.0 116.2 117.4 117.2 112.8 106.7 100.8 104.6 108.1 111.1 112.9 111.7 106.9 107.9 107.1 102.8 102.5 99.6 98.1 95.6 92.8 89.5	118.9	124.5
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 35 SEC 88.6 95.3 98.9 101.5 105.6 110.5 112.6 112.2 107.9 95.5 87.2 93.0 100.6 106.3 108.4 106.4 103.1 101.6 102.1 99.9 99.7 97.1 93.2 91.3 85.6 81.4	113.2	119.2
C	DIST FROM SOURCE: 431 METERS OVERALL SAMPLE DURATION: 35 SEC 83.6 90.6 94.7 97.8 102.6 106.3 105.4 99.7 90.7 76.6 77.0 85.6 95.1 100.0 98.3 95.8 91.8 88.9 89.7 86.4 84.6 79.3 72.2	102.8	111.6
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC 78.7 86.4 91.6 95.0 99.0 103.3 101.7 97.3 88.0 75.7 73.4 83.0 90.7 94.2 91.2 90.2 85.0 80.2 81.4 76.8 72.2	96.6	107.9
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 76.5 84.7 89.9 91.8 94.0 94.0 88.9 79.7 76.9 67.1 69.6 80.6 82.2 84.5 82.8 78.5 74.9 72.8 71.9 64.6 59.4	87.1	99.9
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 73.9 81.4 85.7 87.6 87.4 83.3 79.9 79.1 76.2 64.4 63.2 73.4 75.7 76.8 77.9 77.0 70.2 64.8 62.5 54.2	81.7	93.7
G	DIST FROM SOURCE: 2087 METERS OVERALL SAMPLE DURATION: 34 SEC 70.3 78.7 84.1 85.1 84.7 82.9 78.7 65.9 67.6 64.0 65.1 76.0 77.1 73.1 73.9 70.9 64.0 62.7 58.0 51.2	78.5	91.4
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 34 SEC 70.5 78.9 84.2 84.9 84.7 85.8 83.3 76.5 66.0 58.5 60.3 73.0 74.4 70.8 71.4 66.0 58.7 58.9 52.8 43.2	76.1	92.2

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-483

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 483
DATE 27 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.0	105.1	108.0	109.9	115.2	117.6	121.7	124.6	127.1	127.1	125.1	124.3	125.0	123.0	128.6	134.8
	120.9	117.4	114.8	114.5	114.2	113.6	113.1	113.2	112.1	109.7	108.6	103.4	103.4			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	98.8	105.2	108.2	110.2	115.5	117.0	121.8	125.3	128.5	128.7	125.8	125.0	125.6	123.1	128.6	135.6
	120.8	113.3	108.1	109.4	112.1	113.2	113.8	114.3	113.6	110.9	109.5	103.9	104.1			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	99.1	105.1	107.8	109.7	114.9	118.1	121.7	123.7	125.1	124.5	124.1	123.4	124.3	122.9	128.6	134.0
	120.9	119.5	117.4	116.8	115.6	113.9	112.3	111.7	109.7	108.0	107.5	102.8	102.6			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	91.3	98.6	101.7	103.6	108.4	113.2	116.3	117.5	117.6	113.3	107.0	101.0	104.9	108.4	118.9	124.7
	111.3	113.1	111.5	106.7	107.7	106.8	102.4	102.2	99.8	98.1	95.6	92.9	89.6			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	88.5	95.3	99.1	100.8	105.3	110.5	112.5	112.2	108.4	96.3	86.5	91.8	99.7	105.7	112.9	119.1
	107.9	106.4	103.2	100.6	101.9	99.9	99.4	96.6	93.3	91.1	85.0	81.0				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 33 SEC						
	83.7	90.9	95.1	97.5	102.5	106.5	105.6	100.0	90.9	77.2	78.0	87.3	96.0	100.2	103.3	111.8
	97.9	96.4	93.7	89.2	90.1	88.4	85.4	82.1	75.5	72.7						
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	78.9	87.0	92.1	94.8	99.0	103.5	101.8	97.7	88.7	76.1	74.2	84.3	91.1	93.6	96.3	108.0
	90.9	90.5	84.4	79.8	80.9	76.9	71.9									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	77.2	84.9	90.0	91.4	93.8	94.2	89.2	79.8	77.5	67.3	69.6	81.0	82.7	84.5	87.2	99.8
	82.7	79.3	75.1	71.8	70.6	63.0	58.8									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	73.4	81.2	86.0	87.1	87.1	83.3	80.0	80.1	77.1	64.9	63.9	74.1	76.5	77.7	81.8	93.6
	77.4	76.2	70.9	66.7	64.3	55.8										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	70.1	79.0	84.6	84.7	84.6	83.3	79.3	67.0	69.3	64.8	64.4	76.4	76.2	72.5	77.8	91.5
	73.1	68.0	63.4	63.3	57.3	50.8										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	69.8	79.5	84.7	84.8	84.7	86.5	84.0	77.4	66.7	59.8	61.1	73.7	72.8	72.9	76.0	92.6
	70.1	64.3	60.1	58.3	51.7	42.3										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION O2 HT AGL 1.5 M

EVENT:
NUMBER 485
DATE 27 FEB 81

MICROPHONE:
ARRAY 06

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-485

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC 98.9 104.5 107.4 109.3 115.1 115.9 119.3 122.3 124.3 124.1 121.8 117.0 114.8 113.9 112.3 111.3 110.9 111.1 109.9 108.2 106.7 106.3 104.3 102.7 102.3 97.7 97.8	122.6	130.8
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC 99.2 104.6 107.5 109.5 115.9 115.6 119.2 123.0 125.7 125.9 123.6 118.5 116.3 113.8 107.8 101.4 98.2 95.3 97.9 99.2 99.5 101.7 101.5 100.9 100.3 97.1 97.5	121.5	131.8
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 34 SEC 98.6 104.3 107.2 109.1 114.1 116.1 119.4 121.4 122.2 121.3 118.8 114.7 112.7 114.0 114.5 114.0 113.8 114.1 112.8 110.9 109.2 108.5 105.9 104.0 103.6 98.3 98.1	123.5	129.6
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 34 SEC 92.2 98.1 101.3 102.8 107.1 110.9 114.2 116.3 115.2 112.6 108.6 102.9 95.7 95.7 97.3 98.8 98.8 98.8 99.0 98.4 97.0 95.8 93.9 91.7 89.5 86.3 83.3	110.9	122.0
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 34 SEC 86.5 93.1 96.0 97.8 101.7 106.2 108.4 109.4 108.0 101.4 93.0 84.0 85.0 89.3 91.4 94.5 96.2 97.2 97.6 96.3 91.0 87.7 88.6 83.9 79.7	105.8	115.2
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 34 SEC 80.6 87.6 91.4 93.5 97.0 101.4 102.2 98.8 88.5 85.0 74.5 74.3 76.0 79.8 82.6 85.9 87.5 89.1 90.3 89.0 84.8 79.6	97.3	107.2
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 34 SEC 77.0 84.2 88.0 90.1 93.6 97.5 98.9 95.7 85.9 76.5 69.6 67.5 68.7 71.6 74.2 75.0 74.4 73.0 70.9 67.6 65.7	85.8	103.4
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 34 SEC 73.1 80.7 84.9 87.0 90.5 93.7 94.2 90.4 80.2 66.7 61.5 62.4 63.5 66.9 70.5 75.1 77.3 76.1 71.0 63.7	83.8	99.3
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 34 SEC 69.7 76.5 81.1 83.4 86.4 88.9 87.0 82.4 70.9 61.2 56.5 59.3 60.3 63.8 68.5 72.7 70.0 68.8 62.8 57.2	77.8	93.7
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 34 SEC 67.6 74.8 78.2 80.5 84.1 84.5 80.8 77.0 72.3 60.5 56.0 57.1 58.2 61.1 66.1 68.7 69.5 67.1 59.3 49.8	75.0	89.9
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 33 SEC 67.2 73.9 77.6 79.4 82.7 83.6 79.9 74.6 69.8 58.9 52.8 56.7 59.8 62.4 66.4 69.1 65.8 55.6 46.3	73.5	88.7
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 33 SEC 64.7 72.0 75.4 77.3 80.7 81.8 78.5 72.0 66.7 51.9 56.0 58.1 59.6 61.7 63.2 60.2 50.5 43.8	69.2	86.7

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-486

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 486
DATE 27 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	99.9	104.9	108.0	110.3	115.8	116.8	120.1	122.5	124.3	124.5	122.7	118.7	116.8	115.3		123.7	131.5
	114.1	112.7	112.1	111.8	110.6	109.1	107.8	108.0	107.2	104.6	103.3	99.0	98.4				
S	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	99.9	104.9	108.1	110.5	116.6	116.6	120.0	123.3	125.8	126.3	124.5	120.5	118.0	114.7		122.7	132.4
	108.7	102.2	100.3	98.7	101.7	103.5	104.2	106.5	107.1	104.2	102.0	98.5	97.9				
T	DIST FROM SOURCE: 75 METERS														OVERALL SAMPLE DURATION: 35 SEC		
	99.9	104.9	108.0	110.1	114.7	117.0	120.2	121.5	121.9	121.3	119.4	115.9	115.1	115.7		124.4	130.2
	116.4	115.5	114.9	114.7	113.3	111.5	109.8	109.2	107.4	105.0	104.4	99.4	98.9				
A	DIST FROM SOURCE: 134 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	93.2	98.4	102.1	104.3	108.6	113.0	116.5	117.8	116.8	114.3	109.7	101.9	99.1	104.1		115.6	124.0
	106.6	107.9	107.1	105.2	103.7	102.9	101.7	100.1	98.2	94.9	91.3	88.4	86.2				
B	DIST FROM SOURCE: 238 METERS														OVERALL SAMPLE DURATION: 26 SEC		
	87.9	93.7	97.0	98.9	102.6	107.8	110.2	111.0	108.4	100.2	92.0	88.7	90.3	94.2		109.1	116.8
	97.4	100.8	102.1	101.3	99.5	96.8	94.8	93.7									
C	DIST FROM SOURCE: 423 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	82.0	88.0	92.6	94.7	98.0	102.6	101.9	96.9	92.1	86.2	76.6	79.6	82.7	86.5		101.1	108.1
	89.4	92.2	93.3	93.4	93.2	91.8	87.8	81.8									
D	DIST FROM SOURCE: 753 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	78.0	84.5	89.0	91.5	94.8	98.9	99.1	94.5	84.9	78.1	71.2	71.9	73.9	77.0		88.5	104.0
	79.4	80.7	79.9	78.7	76.8	73.5	68.3	64.6									
E	DIST FROM SOURCE: 1255 METERS														OVERALL SAMPLE DURATION: 29 SEC		
	74.4	81.2	86.2	88.4	91.6	95.2	94.5	89.3	77.0	64.5	63.9	66.2	68.9	72.2		88.5	100.2
	77.1	81.4	83.2	81.8	77.4	70.6											
F	DIST FROM SOURCE: 1757 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	70.6	76.8	82.3	85.0	87.5	90.5	87.6	81.5	68.9	61.8	58.3	63.6	66.2	70.5		83.0	95.0
	76.1	79.1	75.8	73.8	69.4	62.5											
G	DIST FROM SOURCE: 2079 METERS														OVERALL SAMPLE DURATION: 36 SEC		
	68.6	75.2	79.6	82.2	85.7	86.6	81.9	76.2	69.8	60.4	58.5	59.7	63.1	67.1		79.2	91.5
	72.7	74.0	72.9	71.4	64.9	56.2											
H	DIST FROM SOURCE: 2273 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	67.8	73.9	78.6	81.0	84.3	85.7	80.7	74.1	67.2			53.9	59.2	62.4	66.0	80.2	90.5
	72.0	75.2	75.6	72.4	62.9	51.2											
I	DIST FROM SOURCE: 2377 METERS														OVERALL SAMPLE DURATION: 34 SEC		
	65.3	72.0	76.5	78.7	82.0	83.7	79.1	71.1	63.8			53.5	58.6	60.0	63.1	76.6	88.3
	69.6	72.3	71.4	67.0	59.5	50.0											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-487

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 487
DATE 27 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)																AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500				
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K					
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	99.4	104.5	107.0	109.1	114.6	115.5	118.8	121.3	123.4	123.8	121.6	116.1	113.0	111.4			121.5	130.1
	110.6	110.4	110.1	109.7	108.1	106.7	105.6	106.4		102.7	100.8							
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	99.4	104.5	107.0	109.3	115.4	115.4	118.7	122.1	125.0	125.6	123.5	118.2	114.8	111.0			121.2	131.3
	104.3	99.3	98.5	97.2	100.6	102.9	104.2	106.5		103.6	100.9							
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	99.5	104.6	107.0	109.0	113.6	115.7	118.8	120.3	120.9	120.4	118.0	111.9	110.1	111.9			121.9	128.5
	113.0	113.2	113.0	112.5	110.7	108.6	106.7	106.2	104.8	101.5	100.7	96.8	96.3					
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	92.6	98.4	101.0	102.6	106.9	110.6	114.0	115.5	114.7	112.6	108.6	102.4	96.0	96.1			110.3	121.6
	97.0	98.0	98.2	98.1	98.0	97.4	95.8	94.7	94.4	89.8	87.0	85.2						
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	87.2	93.4	96.0	97.9	101.5	105.9	108.0	109.0	107.7	101.2	93.4	86.7	88.0	90.4			104.8	114.9
	92.1	94.9	96.2	96.1	95.6	93.6	89.1	87.7	87.9	83.1								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	81.6	88.0	91.7	93.9	97.3	101.3	101.5	97.4	89.6	86.6	77.0	77.6	80.3	83.4			97.7	107.0
	84.9	87.3	88.9	89.9	90.5	88.8	84.1											
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	77.7	84.4	88.1	90.5	94.0	97.5	98.4	94.5	85.5	79.1	72.5	71.7	73.7	77.4			90.8	103.3
	79.3	82.2	83.2	82.6	81.7	78.8	73.5	68.2										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC								
	74.5	80.9	84.8	87.2	90.8	93.9	93.8	89.3	78.2	67.7	64.5	65.1	67.1	71.2			87.1	99.2
	75.0	78.9	80.8	80.5	78.0	72.3	62.8											
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	70.9	76.7	81.6	84.1	87.0	89.4	87.1	82.2	70.6	63.4	58.6	62.5	64.3	69.5			82.4	94.3
	74.1	78.3	75.7	73.3	70.9	62.7												
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	68.8	75.3	79.0	81.3	84.9	85.0	81.0	76.4	72.1	60.8	58.1	58.7	61.7	66.3			79.2	90.6
	71.9	74.4	73.1	71.5	64.6	56.0												
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	67.8	74.4	78.3	80.6	83.7	84.2	80.1	73.7	69.2	59.0	53.5	57.1	59.7	64.7			79.8	89.8
	70.5	75.1	75.4	72.1	62.8	51.4												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC								
	65.4	72.3	76.4	78.4	81.6	82.5	78.7	71.2	65.4	53.2			58.3	61.8			75.3	87.7
	67.4	71.0	70.4	65.8	57.7	49.0												

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-488

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 488
DATE 27 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)														AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500		
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	100.2	105.4	108.0	110.1	115.2	116.5	119.5	122.1	123.6	123.9	123.0	118.6	116.8	115.9	123.9	131.2
	115.2	113.7	112.6	112.2	110.6	109.0	107.6	107.7	106.8	104.7	103.7	99.2	98.6			
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	100.2	105.4	108.0	110.4	116.1	116.5	119.5	123.0	125.2	125.7	124.9	120.6	118.2	115.3	122.8	132.2
	110.0	104.0	101.9	99.0	101.5	103.5	104.0	106.0	106.1	104.6	103.3	99.0	98.5			
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	100.2	105.3	108.0	109.9	114.1	116.6	119.6	121.1	121.0	120.6	119.3	114.6	114.7	116.4	124.7	129.9
	117.5	116.5	115.4	115.1	113.4	111.4	109.6	109.0	107.4	104.8	104.0	99.5	98.8			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	92.7	98.4	101.3	103.3	106.9	111.1	113.9	115.5	114.2	112.4	109.5	103.5	96.0	97.4	111.8	121.7
	99.4	100.5	100.4	100.3	100.4	100.1	99.1	98.4	94.8	93.5	89.8	86.1	83.9			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	87.1	93.1	95.5	97.8	101.0	105.9	107.7	109.0	107.0	100.3	93.4	85.3	86.0	90.6	104.7	114.6
	92.7	95.0	95.6	95.5	95.5	94.5	90.9	85.9		83.4	79.0					
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	82.0	88.1	91.4	93.6	96.4	101.1	100.9	96.4	89.7	86.3	75.1	75.8	79.2	82.1	97.8	106.5
	83.7	85.9	88.3	89.9	90.6	89.7	85.5	78.8								
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	78.2	84.7	88.2	90.5	93.4	97.6	98.5	94.8	84.4	78.6	72.1	69.6	71.3	74.4	85.9	103.2
	75.1	75.6	75.5	73.7	72.1	68.8	64.7									
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	74.0	81.2	85.0	87.7	90.6	94.3	94.1	89.9	78.0	67.7	64.2	64.3	67.9	72.2	85.3	99.5
	75.2	78.2	78.8	77.0	73.9	68.9	60.3									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	70.5	77.2	81.6	84.3	86.8	90.0	88.3	83.0	70.2	62.0	58.7	62.0	64.0	69.8	80.5	94.7
	73.1	75.5	72.8	71.4	67.8	58.3										
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	69.0	75.8	79.2	82.0	85.0	86.1	82.5	78.3	71.9	60.9	58.0	59.1	61.4	64.4	74.3	91.1
	68.7	68.2	65.0	63.9	57.8	50.6										
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	67.8	74.8	78.4	80.7	83.6	85.2	81.2	76.1	70.4	59.9	53.4	58.1	61.9	65.0	75.3	90.0
	68.2	69.6	68.8	66.9	58.4	48.6										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	65.5	73.0	76.4	78.6	81.6	83.6	79.8	73.5	67.6		52.6		59.9	62.7	73.1	88.2
	66.4	68.0	66.4	63.9	55.0	45.6										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-489

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION D1 HT AGL 1.5 M

EVENT:
NUMBER 489
DATE 27 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ)															AL (DBA)	OASPL (DB)
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500			
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K				
U	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	99.8	105.7	108.8	110.9	115.8	118.0	121.8	124.6	126.7	126.6	124.3	123.7	124.3	122.8		128.2	134.5
	121.1	118.3	115.8	114.0	113.1	112.6	111.8	111.6	110.4	108.8	108.3	102.8	102.4				
S	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	99.9	105.7	108.9	111.1	116.0	117.5	121.8	125.2	127.9	128.1	125.1	124.1	123.9	122.4		127.4	134.9
	120.2	112.7	107.3	107.1	109.5	110.7	111.1	111.6	111.2	109.4	109.0	103.0	102.4				
T	DIST FROM SOURCE: 66 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	99.7	105.7	108.6	110.6	115.5	118.5	121.8	123.9	125.1	124.4	123.4	123.3	124.7	123.1		128.9	134.1
	121.9	120.7	118.5	116.6	115.1	114.0	112.4	111.6	109.3	108.1	107.6	102.7	102.3				
A	DIST FROM SOURCE: 134 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	91.7	99.0	102.2	104.4	108.7	113.6	116.4	117.9	118.1	113.9	107.9	99.9	105.0	107.8		119.7	125.1
	110.4	112.6	113.0	111.4	106.6	105.8	106.3	103.3	101.2	99.8	97.3	94.8	92.0				
B	DIST FROM SOURCE: 238 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	88.9	95.9	99.9	101.8	105.8	110.9	112.7	112.9	109.6	98.1	88.4	96.3	102.7	107.2		115.6	120.4
	109.5	110.2	108.0	104.1	103.5	102.1	99.7	99.6	95.8	94.3	90.2	87.0					
C	DIST FROM SOURCE: 431 METERS											OVERALL SAMPLE DURATION: 35 SEC					
	84.2	91.6	95.9	98.5	103.1	106.8	105.5	100.3	90.5	81.1	83.8	93.2	99.9	100.6		107.3	113.0
	101.1	102.5	98.2	96.1	94.5	93.6	90.7	87.0	81.0	77.7	73.3						
D	DIST FROM SOURCE: 753 METERS											OVERALL SAMPLE DURATION: 32 SEC					
	79.3	87.4	92.6	95.5	99.3	103.3	101.6	98.8	90.1	78.0	78.5	86.7	87.1	93.3		99.5	108.5
	94.2	94.8	92.2	87.3	83.9	82.4	76.9	71.8									
E	DIST FROM SOURCE: 1255 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	77.0	85.6	90.9	92.3	94.1	94.6	90.0	82.5	80.9	77.2	79.6	84.4	84.8	87.8		92.6	101.1
	88.0	87.4	84.9	78.2	75.2	70.8											
F	DIST FROM SOURCE: 1757 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	74.2	82.3	86.8	87.7	87.4	84.7	80.2	81.4	79.5	74.5	68.1	77.0	78.4	81.2		86.1	94.9
	82.4	81.8	76.2	69.6	66.0	60.6											
G	DIST FROM SOURCE: 2087 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	71.0	79.6	85.2	85.6	85.2	85.2	82.1	75.9	74.3	68.9	69.9	75.4	75.2	77.6		81.5	92.9
	77.6	75.5	71.2	65.9	61.9	53.8											
I	DIST FROM SOURCE: 2377 METERS											OVERALL SAMPLE DURATION: 34 SEC					
	71.4	80.3	85.4	85.0	85.0	87.1	85.2	80.1	71.1	70.2	64.6	67.3	76.0	74.8		78.9	93.4
	74.1	71.6	67.3	60.7	55.8	47.1											

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-105-490

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 01 HT AGL 1.5 M

EVENT:
NUMBER 490
DATE 27 FEB 81

MICROPHONE:
ARRAY 05

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	100.0	105.8	108.7	111.4	115.6	117.7	121.9	124.6	126.7	126.9	124.8	123.8	124.1	122.9	128.1	134.6
	121.0	118.0	115.4	113.8	113.0	112.4	111.6	111.4	110.3	108.4	108.2	102.6	102.2			
S	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	100.1	105.7	108.8	111.6	115.9	117.2	121.9	125.2	127.9	128.4	125.4	124.3	123.7	122.5	127.4	135.0
	120.2	112.6	107.1	107.0	109.3	110.4	110.9	111.5	111.0	109.0	108.9	102.7	102.1			
T	DIST FROM SOURCE: 66 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	100.0	105.9	108.6	111.2	115.3	118.2	121.9	124.0	125.1	124.7	124.0	123.3	124.4	123.2	128.8	134.1
	121.6	120.3	118.1	116.3	115.0	113.7	112.2	111.3	109.3	107.8	107.4	102.5	102.2			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	92.2	99.3	102.2	104.9	108.4	113.2	116.4	117.8	117.9	114.1	108.4	99.7	104.6	107.5	119.4	125.0
	110.1	112.3	112.7	111.1	106.4	105.6	106.1	102.9	100.8	99.4	96.8	93.9	91.6			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	89.3	96.1	99.6	102.3	105.5	110.7	112.7	112.9	109.8	98.5	88.6	96.3	102.5	106.8	115.6	120.3
	109.2	110.1	108.4	104.1	103.2	102.8	99.7	99.8	95.4	94.6	90.4	87.6				
C	DIST FROM SOURCE: 431 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	84.6	91.7	95.8	99.0	102.9	106.6	105.7	100.0	90.5	82.2	85.7	94.1	100.6	101.6	107.9	113.2
	101.0	103.2	98.7	96.6	95.4	93.4	91.7	88.0	82.0	79.1	73.9					
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	79.4	87.3	92.5	95.9	98.9	102.9	101.9	98.5	90.8	79.8	80.6	86.7	87.9	94.2	100.1	108.5
	93.8	95.4	92.5	89.9	84.8	82.9	78.3	72.1								
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	77.6	85.9	90.9	92.8	94.2	94.4	90.3	82.5	81.2	78.4	81.1	85.6	85.0	87.4	92.6	101.3
	87.9	87.1	85.1	79.3	75.5	72.1										
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	75.0	82.6	86.7	88.2	87.1	84.5	81.0	81.2	79.6	76.7	70.2	76.0	78.1	78.6	85.3	94.8
	81.0	81.0	77.2	70.3	65.9	60.8										
G	DIST FROM SOURCE: 2087 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	72.4	79.9	85.3	85.7	84.8	84.2	80.0	68.9	72.6	69.1	69.8	76.4	77.4	76.4	81.8	92.5
	77.8	76.1	72.2	67.2	62.7	54.8										
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 34 SEC						
	71.7	80.7	85.4	85.6	85.1	86.3	84.6	77.9	72.8	73.4	66.1	69.4	75.1	76.4	79.7	93.3
	75.2	73.3	68.2	61.7	58.6	49.3										

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-491

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 491
DATE 27 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	AL (DBA)	OASPL (DB)
	630	800	1K	1250	1600	2K	2500	3150	4K	5K	6300	8K	10K			
U	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.2	104.9	107.5	108.9	114.6	115.6	118.2	120.3	121.4	121.1	120.3	115.7	114.1	114.7	121.3	129.0
	112.9	111.3	110.5	110.0	108.3	106.5	105.1	104.7								
S	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.3	104.9	107.5	109.1	115.4	115.3	118.0	120.9	122.7	122.7	121.7	116.7	114.9	114.1	119.5	129.6
	108.8	102.0	97.3	92.2	92.6	93.0	93.0	94.4								
T	DIST FROM SOURCE: 75 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	99.1	104.9	107.5	108.8	113.7	115.8	118.4	119.6	119.5	118.8	118.3	114.4	113.2	115.2	122.8	128.4
	115.0	114.1	113.4	113.0	111.3	109.4	107.9	107.5	105.0	103.1	102.4	96.5	96.1			
A	DIST FROM SOURCE: 134 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	90.9	97.0	100.1	101.1	105.5	109.4	112.3	113.7	112.0	109.2	107.0	102.7	98.2	97.0	108.4	119.6
	97.2	97.5	96.9	96.3	95.6	94.4	92.4	91.1	89.2	85.7	81.4	77.5	76.1			
B	DIST FROM SOURCE: 238 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	85.8	92.5	94.8	96.2	99.9	104.6	106.2	106.4	104.8	100.0	95.5	87.5	83.6	85.0	98.2	112.6
	85.3	85.8	84.8	83.7	83.1	82.1	79.2	78.2								
C	DIST FROM SOURCE: 423 METERS									OVERALL SAMPLE DURATION: 16 SEC						
	79.1	85.8	89.4	90.5	94.4	99.3	100.1	98.7	91.6	83.0	79.3	73.3	73.1	74.8	88.0	105.2
	74.8	75.6	75.2	74.4	72.8	70.7										
D	DIST FROM SOURCE: 753 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	73.9	81.0	84.0	85.1	88.2	92.3	93.5	91.9	86.0	74.5	66.6	65.9	66.0	67.8	81.1	98.6
	68.4	69.3	67.7	65.7	63.6	60.4										
E	DIST FROM SOURCE: 1255 METERS									OVERALL SAMPLE DURATION: 36 SEC						
	70.4	75.5	77.9			80.7	83.6	83.7	81.5	74.5	63.9		60.2	60.5	62.4	71.0	89.4
						56.2	51.6									
F	DIST FROM SOURCE: 1757 METERS									OVERALL SAMPLE DURATION: 35 SEC						
		70.8	72.0				76.2	74.0	71.9	65.5				57.6	59.6	
	60.9	60.8		54.6												
G	DIST FROM SOURCE: 2079 METERS									OVERALL SAMPLE DURATION: 35 SEC						
	64.8	68.6	69.2				69.6	67.2		60.8		53.8		55.5	56.0	
H	DIST FROM SOURCE: 2273 METERS									OVERALL SAMPLE DURATION: 30 SEC						
		67.2	68.3				68.6	66.0	63.2	59.9		51.8		53.7	54.9	59.6	74.7
		54.1	52.4	49.6												
I	DIST FROM SOURCE: 2377 METERS									OVERALL SAMPLE DURATION: 35 SEC						
		65.3	66.5	67.0			66.4	64.2	61.6	58.8		50.8		53.5		

TABLE: SUMMARY OF LEQ NOISE LEVELS FOR THIS EVENT AND MEASUREMENT ARRAY

IDENTIFICATION:
OMEGA 12.2
TEST AA-106-492

STATION 1: WRIGHT-PATTERSON AFB
SOUND SOURCE: C-135A
LOCATION 02 HT AGL 1.5 M

EVENT:
NUMBER 492
DATE 27 FEB 81

MICROPHONE:
ARRAY 06

DATE 05 FEB 87
PAGE F1

MICROPHONE LOCATION	1/3 OBSPL (DB) FOR GIVEN FREQ BAND (HZ) 25 31.5 40 50 63 80 100 125 160 200 250 315 400 500 630 800 1K 1250 1600 2K 2500 3150 4K 5K 6300 8K 10K	AL (DBA)	OASPL (DB)
U	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 36 SEC 99.2 103.8 107.2 109.1 114.5 115.2 118.0 120.5 122.1 121.5 120.2 115.2 114.3 114.6 112.5 111.2 110.3 109.8 108.0 105.8 104.0 103.9	121.2	129.1
S	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 36 SEC 99.2 103.8 107.2 109.3 115.3 115.0 117.7 121.1 123.3 122.8 121.4 115.8 114.8 113.9 108.4 102.0 96.9 91.7 91.9 92.4 93.0 94.7	119.3	129.6
T	DIST FROM SOURCE: 75 METERS OVERALL SAMPLE DURATION: 37 SEC 99.2 103.9 107.2 109.0 113.6 115.5 118.2 119.9 120.3 119.5 118.5 114.6 113.7 115.2 114.6 113.9 113.2 112.8 110.9 108.7 106.9 106.6 104.5 102.2 101.3 95.4 94.6	122.6	128.6
A	DIST FROM SOURCE: 134 METERS OVERALL SAMPLE DURATION: 36 SEC 90.7 96.2 99.9 101.5 105.6 109.2 112.1 113.8 112.5 109.6 106.6 102.0 98.3 97.0 96.0 96.2 95.7 95.3 94.7 93.7 91.6 89.8 80.1 77.1 73.8	108.0	119.6
B	DIST FROM SOURCE: 238 METERS OVERALL SAMPLE DURATION: 36 SEC 85.8 91.8 94.7 96.8 100.3 104.5 106.1 106.8 105.4 100.4 95.5 86.9 83.8 85.1 85.5 86.3 85.8 84.1 83.2 82.1 79.7 77.5	98.5	112.8
C	DIST FROM SOURCE: 423 METERS OVERALL SAMPLE DURATION: 23 SEC 79.7 85.5 89.3 91.5 94.5 99.2 99.9 98.5 91.4 81.9 77.1 72.9 74.9 76.2 76.0 77.2 77.6 77.4 75.2 72.9	88.4	105.1
D	DIST FROM SOURCE: 753 METERS OVERALL SAMPLE DURATION: 37 SEC 73.7 79.6 83.3 85.6 88.4 92.0 93.2 91.8 86.0 73.7 66.5 66.4 67.3 68.9 70.0 70.8 74.5 72.9 67.9 63.9	82.5	98.5
E	DIST FROM SOURCE: 1255 METERS OVERALL SAMPLE DURATION: 37 SEC 69.5 74.8 78.0 79.6 81.4 84.3 83.9 81.3 74.9 63.8 60.2 60.8 61.8 63.3 63.9 64.3 63.3 60.4 57.0 52.6	73.0	90.0
F	DIST FROM SOURCE: 1757 METERS OVERALL SAMPLE DURATION: 36 SEC 69.7 72.6 74.6 75.2 77.2 75.1 71.2 64.5 59.6 59.3 54.2 50.7	64.6	82.8
G	DIST FROM SOURCE: 2079 METERS OVERALL SAMPLE DURATION: 38 SEC 66.5 69.1 71.2 71.9 71.7 69.4 61.5 53.8 55.4 56.3	59.4	78.8
H	DIST FROM SOURCE: 2273 METERS OVERALL SAMPLE DURATION: 36 SEC 65.0 67.9 70.4 68.4 63.3 59.6 51.9 54.5 55.6 58.2 55.1 52.8 48.8	60.8	75.3
I	DIST FROM SOURCE: 2377 METERS OVERALL SAMPLE DURATION: 36 SEC 63.2 65.4 66.7 68.1 65.4 61.3 51.1 53.0 53.0 51.9	57.1	73.9

APPENDIX B

EXCESS SOUND ATTENUATION, ESA, AND METEOROLOGICAL DATA

DEFINITIONS OF SELECTED OMEGA 13 OUTPUT PARAMETERS AND CODES

THIS TABLE CONTAINS DEFINITIONS OF MOST OF THE OUTPUT PARAMETERS PLUS A COMPLETE LIST OF ALL PRECIPITATION AND CONDITION CODES.

1) TEST NO. --- THE TEST NUMBER CONSISTS OF THE LOG FILE CODE (AA), STATION CODE (B), ARRAY CODE (CC) AND THE EVENT NUMBER (DDD) IN THE FORM AA-BCC-DDD.

2) DATE --- DATE EVENT DATA WERE ACQUIRED.

3) HR-MN --- EVENT START TIME IN HOURS AND MINUTES.

4) T3 --- MEAN AFAMRL FIELD TEMPERATURE IN DEG C: HIGHEST PROBE ABOVE THE GROUND.

5) T2 --- MEAN AFAMRL FIELD TEMPERATURE IN DEG C: MIDDLE PROBE ABOVE THE GROUND.

6) T1 --- MEAN AFAMRL FIELD TEMPERATURE IN DEG C: CLOSEST PROBE TO THE GROUND.

7) RH --- AFAMRL FIELD RELATIVE HUMIDITY IN PERCENT.

8) S1 --- MEAN WIND SPEED IN METERS PER SECOND AT THE UPPER WIND SENSOR OF THE FIRST WIND MEASUREMENT POSITION.

9) S2 --- MEAN WIND SPEED IN METERS PER SECOND AT THE UPPER WIND SENSOR OF THE SECOND WIND MEASUREMENT POSITION.

10) S3 --- MEAN WIND SPEED IN METERS PER SECOND AT THE LOWER WIND SENSOR OF THE FIRST WIND MEASUREMENT POSITION.

11) S4 --- MEAN WIND SPEED IN METERS PER SECOND AT THE LOWER WIND SENSOR OF THE SECOND WIND MEASUREMENT POSITION.

12) S1+2 --- AVERAGE S1 AND S2 (UPPER WIND SPEED) IN METERS PER SECOND (CALCULATED).

13) D1 --- MEAN WIND DIRECTION IN DEGREES AT THE UPPER WIND SENSOR OF THE FIRST WIND MEASUREMENT POSITION.

14) D2 --- MEAN WIND DIRECTION IN DEGREES AT THE UPPER WIND SENSOR OF THE SECOND WIND MEASUREMENT POSITION.

15) AVD --- AVERAGE OF D1 AND D2 DEGREES (CALCULATED).

16) WV --- MEAN WIND SPEED COMPONENT ALONG THE SOUND PATH IN METERS/SECOND (CALCULATED).

17) SBP --- STATION BAROMETRIC PRESSURE IN M HG.

18) ST --- STATION TEMPERATURE IN DEGREES C.

19) SRH --- STATION RELATIVE HUMIDITY IN PERCENT.

20) SS --- STATION WIND SPEED IN METERS/SECOND.

21) SD --- STATION WIND DIRECTION IN DEGREES.

22) SWV --- STATION WIND SPEED COMPONENT ALONG THE SOUND PATH IN METERS/SECOND (CALCULATED).

23) DURATION --- OVERALL SAMPLE SOUND DURATION AT THE GIVEN DISTANCE FROM THE SOUND SOURCE IN SECONDS.

24) OASPL --- OVERALL SOUND PRESSURE LEVEL IN DB.

25) AL --- A-WEIGHTED OVERALL SOUND LEVEL IN DBA.

26) ALPHA --- THERMALLY RELATED SOUND VELOCITY GRADIENT IN M/S (CALCULATED).

27) BETA --- WIND SPEED RELATED SOUND VELOCITY GRADIENT IN M/S (CALCULATED).

NOTE THAT ALL WIND DIRECTION MEAN (OR AVERAGE) DATA ARE A "RESULTANT" MEAN RATHER THAN A STRAIGHT ARITHMETIC MEAN. THE STATION DATA ARE FROM METEOROLOGICAL RECORDS WHICH ARE USUALLY TAKEN HOURLY.

CODE	PRECIPITATION	GROUND CONDITION CODES			CODE
			GROUND COVER		
		GROUND SURFACE	VEGETATION	MOISTURE	
0	NONE	HARD PACKED SOIL	BARE	DRY	0
1	LIGHT RAIN	PAVING	THIN GRASS, HT<0.1M	WET GROUND, WET GRASS	1
2	MEDIUM RAIN	SAND/GRAVEL	THIN GRASS, HT>0.1M	ICE	2
3	HEAVY RAIN	PLOWED SOIL	THICK GRASS, HT<0.1M	SNOW, DEPTH<0.02M	3
4	FREEZING RAIN	CALICHE	THICK GRASS, HT>0.1M	SNOW, DEPTH 0.02-.08M	4
5	HAIL	WATER (LAKE)	CROPS, HT<0.5M	SNOW, DEPTH 0.08-0.2M	5
6	FOG	ICE (LAKE)	CROPS, HT>0.5M	SNOW, DEPTH >0.2M	6
7	LIGHT SNOW	FROZED GROUND	SPARSE WOODS, HT<10M	DEW (DRY GROUND)	7
8	MEDIUM SNOW	CRUST ON SNOW	SPARSE WOODS, HT>10M	FROST	8
9	HEAVY SNOW		MOD WOODS , HT<10M	WET GROUND, DRY GRASS	9
10			MOD WOODS , HT>10M		10
11			DENSE WOODS, HT<10M		11
12			DENSE WOODS, HT>10M		12

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A1

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	AFAMRL METEOROLOGICAL DATA: TEMP DEG C T3	T2	T1	REL HUM % RH	WIND SPEED M/S S1	S2	S3	S4	AVG S1+2	DIRECTION DEG D1	D2	AVD	VECTOR M/S WV	STATION METEOROLOGICAL DATA: BAR PRESS M HG SBP	TEMP DEG C ST	REL HUM % SRH	WIND M/S SS	WIND DEG SD	WIND M/S SWV
AA-101-034	29 NOV 79	11 1	-4.1	-3.6	-3.1	58									-3.5	.741	-3	58	7	290	-3.5
AA-101-036	06 DEC 79	11 14	2.9	3.0	3.2	93	2.0	.9			1.5	316	337	327	.1	.740	-2	93	1	330	.2
-037		15 15	3.7	3.7	3.8	86	2.2	2.9			2.6	223	238	230	-2.5	.738	-1	86	3	230	-2.6
AA-101-038	12 DEC 79	10 50	3.7	4.6	5.6	81	5.8	6.7			6.3	200	215	208	-5.8	.744	6	81	4	330	.8
-039		11 18	4.4	4.5	4.6	81	1.7	1.3			1.5	303	323	313	-.2	.744	6	81	4	330	.8
-040		13 10	3.2	3.5	3.8	81	3.7	2.8			3.3	316	332	324	.2	.744	5	81	4	340	1.5
AA-101-041	13 DEC 79	11 30	.9	1.1	1.4	75	3.1	3.2			3.1	332	354	343	1.3	.745	2	75	3	360	2.0
AA-101-043	14 DEC 79	12 6	2.3	2.6	3.9	52	2.2	2.0			2.1	297	305	301	-.6	.752	2	51	1	330	.2
AA-101-044	23 JAN 80	11 54	-7.8	-7.5	-7.0	43	4.9				4.9	250		250	-4.6	.733	-2	43	8	290	-4.0
AA-101-047	29 JAN 80	11 42	-7.2	-6.5	-5.8	45	5.3				5.3	257		257	-4.7	.749	-6	45	7	310	-1.0
-049		13 27	-6.5	-6.3	-5.1	45	3.2				3.2	280		280	-2.0	.748	-6	45	6	310	-.9
AA-102-051		16 40	-7.0	-6.8	-6.4	53	3.9				3.9	313		313	.4	.748	-6	53	5	310	.8
AA-101-052	05 FEB 80	13 37	-2.9	-2.7	-2.3	54	3.6	3.5			3.5	128	118	123	1.0	.745	-2	54	5	140	-.1
AA-101-054	13 FEB 80	11 26	-1.2	.8	-.8	68	2.9	3.1			3.0	216	213	215	-2.9	.748	-6	68	4	170	-1.9
-055		11 53	-1.0	-.1	1.0	58	3.7				3.7	223		223	-3.7	.748	-4	58	4	200	-3.2
-056		12 4	-.9	.2	1.0	58	4.2				4.2	195		195	-3.5	.748	-4	58	5	200	-4.1
AA-102-057		14 43	1.0	2.6	3.3	44	4.4				4.4	209		209	4.1	.746	1	44	6	220	5.6
-058		14 51	1.5	2.3	2.8	44	3.5				3.5	218		218	3.4	.746	1	44	6	220	5.6
-059		15 15	1.4	2.4	3.4	40	3.7				3.7	224		224	3.7	.746	1	40	6	220	5.6
AA-101-060	14 FEB 80	9 54	1.9	1.7	1.3	55	2.8	2.7			2.7	233	230	231	-2.7	.747	2	55	3	260	-2.2
-061		11 3	2.0	2.3	2.9	60	3.4	2.9			2.9	240	266	253	-2.6	.747	2	60	3	270	-2.3
AA-101-065	20 FEB 80	11 19	3.7	4.0	3.9	93	1.2	1.1			1.1	167	165	166	-.5	.735	4	93	0		.0
AA-102-067		13 11	4.4	4.7	4.6	93	1.2	1.4			1.3	163	179	171	.7	.735	4	93	2	210	1.5

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE B1

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	BLDG/OBSTACLES (ARRAY AVERAGE): AVE HT (M)	BLDG/OBSTACLES (ARRAY AVERAGE): MAX HT (M)
AA-101-034	29 NOV 79	11 1	-.2			0	0	2	3	0	0	0
AA-101-036	06 DEC 79	11 14	-.1			1	0	2	1	0	0	0
-037		15 15	.0			1	0	2	1	0	0	0
AA-101-038	12 DEC 79	10 50	-.4			0	0	2	0	0	0	0
-039		11 18	-.1			1	0	2	1	0	0	0
-040		13 10	-.1			0	0	2	1	0	0	0
AA-101-041	13 DEC 79	11 30	-.1			0	0	2	1	0	0	0
AA-101-043	14 DEC 79	12 6	-.3			0	0	2	0	0	0	0
AA-101-044	23 JAN 80	11 54	-.1			0	0	2	3	0	0	0
AA-101-047	29 JAN 80	11 42	-.2			0	0	2	0	0	0	0
-049		13 27	-.2			0	0	2	0	0	0	0
AA-102-091		16 40	-.1			0	0	2	0	0	0	0
AA-101-052	05 FEB 80	13 37	-.1			0	0	2	0	0	0	0
AA-101-054	19 FEB 80	11 26	-.1			0	0	2	4	0	0	0
-055		11 53	-.4			0	0	2	4	0	0	0
-056		12 4	-.3			0	0	2	4	0	0	0
AA-102-057		14 43	-.4			0	0	2	4	0	0	0
-058		14 51	-.2			0	0	2	4	0	0	0
-059		15 15	-.4			0	0	2	4	0	0	0
AA-101-060	14 FEB 80	9 54	.1			0	0	2	3	0	0	0
-061		11 3	-.1			0	0	2	3	0	0	0
AA-101-065	20 FEB 80	11 19	-.1			1	0	2	1	0	0	0
AA-102-067		13 11	-.1			1	0	2	1	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE C1

TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT	LOG-STA/ARRAY-EVENT
AA-101-034	29 NOV 79	11 1	OVERCAST	
AA-101-036	06 DEC 79	11 14	HEAVY DARK CLOUDS , VERY SLIGHT RAIN FOR PAST HOUR	
-037		15 15	OVERCAST , HEAVY CLOUDS	
AA-101-038	12 DEC 79	10 50	SCATTERED CLOUDS	
-039		11 18	MISTING, DARK HEAVY CLOUDS	
-040		13 10	OVERCAST	
AA-101-041	13 DEC 79	11 30	OVERCAST,READY TO RAIN	
AA-101-043	14 DEC 79	12 6	CLEAR, BRIGHT SUNLIGHT	
AA-101-044	23 JAN 80	11 54	SNOW ON GROUND, NO ACCUMLATION, OVERCAST, WINDS GUSTING TO 21 KTS	
AA-101-047	29 JAN 80	11 42	SUNNY, 30% CLOUD COVER	
-049		13 27	SUNNY, 10% CLOUD COVER,WINDS GUSTING TO 16 KTS	
AA-102-051		16 40	SUNNY, 5% CLOUD COVER, WINDS GUSTING TO 15 KTS	
AA-101-052	05 FEB 80	13 37	OVERCAST	
AA-101-054	13 FEB 80	11 26	SUNNY, VERY THIN, HIGH CLOUDS	
-055		11 53	SUNNY, VERY BRIGHT, HIGH CLOUDS	
-056		12 4	SUNNY, VERY BRIGHT, HIGH CLOUDS	
AA-102-057		14 43	BRIGHT, CLEAR, NO CLOUDS	
-058		14 51	BRIGHT AND SUNNY, NO CLOUDS	
-059		15 15	BRIGHT, SUNNY, NO CLOUDS	
AA-101-060	14 FEB 80	9 54	CLOUDY, HAZY	
-061		11 3	CLOUDY, HAZY	
AA-101-065	20 FEB 80	11 19	OVERCAST, MISTY	
AA-102-067		13 11	MISTY,OVERCAST,LOW CELILING	

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 18.1
TEST AA-80B-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A2

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	AFAMRL METEOROLOGICAL DATA: TEMP DEG C T3	T2	T1	REL HUM % RH	SPEED M/S S1	S2	S3	S4	WIND AVG S1+2	DIRECTION DEG D1	D2	AVD	VECTOR M/S WV	STATION METEOROLOGICAL DATA: BAR PRESS M HG SBP	TEMP DEG C ST	REL HUM % SRH	WIND M/S SS	DEG SD	M/S SWV
AA-101-068	21 FEB 80	14 10	6.3	6.4	6.5	81	3.7	2.9			3.3	113	116	115	1.4	.737	7	81	4	120	1.3
-069		14 19	6.4	6.6	6.6	81	3.9	4.0			4.0	112	113	113	1.8	.737	7	81	4	120	1.3
AA-102-070		14 33	6.1	6.3	6.2	87	4.8	5.0			4.9	108	111	110	-2.4	.734	6	87	5	90	-3.9
AA-102-071	22 FEB 80	14 48	7.6	7.9	7.8	81	6.1	4.9			5.5	220	238	229	5.5	.734	8	81	7	250	6.7
-072		14 53	7.7	8.0	7.8	81	4.7	6.3			5.5	205	247	226	5.2	.734	8	81	7	250	6.7
AA-101-073	27 FEB 80	11 57	.7	.6	1.2	55	4.9	5.0			5.0	250	276	263	-4.0	.738	1	55	9	290	-4.5
AA-101-074	01 APR 80	11 3	6.0	6.6	6.5	93	1.9	2.8			2.4	202	198	200	-2.1	.743	7	93	1	240	-1.0
-075		11 22	6.0	6.2	6.3	93	1.9	2.7			2.3	262	230	246	-2.2	.743	7	93	1	240	-1.0
AA-101-076	03 APR 80	11 17	12.1	12.8	13.0	77	3.3	3.0			3.2	143	132	137	.1	.740	13	77	3	130	.5
-077		14 12	14.8	15.3	15.4	82	3.2	2.6			2.9	183	91	112	1.1	.737	15	82	4	110	1.7
AA-101-080	10 APR 80	9 39	3.1	3.3	3.3	100	3.4	5.2			4.3	255	219	237	-4.1	.735	5	100	7	260	-6.2
-081		10 47	3.6	3.8	3.8	93	6.3	6.1			6.2	236	236	236	-6.1	.735	5	93	6	260	-5.3
-082		11 47	5.6	6.1	6.5	87	5.0	5.5			5.2	226	220	223	-5.2	.735	6	87	6	270	-4.7
-083		12 3	5.8	6.3	6.5	87	4.6	5.1			4.9	229	209	216	-4.6	.735	6	87	6	270	-4.7
AA-101-087	11 APR 80	10 51	12.9	14.0	15.1	59	1.6	2.1			1.9	177	165	171	-1.0	.741	14	59	3	170	-1.6
AA-101-088	16 APR 80	10 4	3.8	4.4	6.3	75	3.5	3.8			3.6	355	250	302	-.7	.745	5	75	5	350	2.4
AA-101-089	17 APR 80	11 23	10.2	10.9	12.3	43	.6	2.0			1.3	115	80	98	1.0	.748	10	43	3	100	1.9
AA-101-090	18 APR 80	11 6	18.4	17.6	18.7	48	1.3	.7			1.0	281	204	242	-.8	.747	15	48	2	210	-1.9
AA-101-092	22 APR 80	11 2	20.7	22.4	23.4	38	5.5	4.9			5.2	207	210	209	-4.9	.740	21	38	8	230	-8.2
AA-102-093		14 10	26.1	27.8	28.2	30	4.6	5.0			4.8	211	236	223	4.7	.737	26	30	8	230	8.2
AA-101-094	06 MAY 80	14 33	22.2	22.8	25.0	27	2.0	3.3			2.7	318	9	343	1.3	.719	23	27	2	270	-1.6
AA-101-096	08 MAY 80	10 26	9.9	9.7	12.1	37	3.8	3.3			3.5	335	309	322	.3	.738	10	37	1	360	.7
AA-102-097		14 52	8.6	8.4	9.3	50	3.3	1.4			2.4	251	194	223	2.1	.739	11	50	5	310	.8

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 19.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE B2

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	BLDG/OBSTACLES (ARRAY AVERAGE): AVE HT (M)	BLDG/OBSTACLES (ARRAY AVERAGE): MAX HT (M)
AA-101-068	21 FEB 80	14 10	-.1			0	0	2	1	0	0	0
-069		14 13	-.1			0	0	2	1	0	0	0
AA-102-070		14 33	.0			1	0	2	1	0	0	0
AA-102-071	22 FEB 80	14 48	-.1			0	0	2	1	0	0	0
-072		14 53	.0			0	0	2	1	0	0	0
AA-101-073	27 FEB 80	11 57	-.1			0	0	2	4	0	0	0
AA-101-074	01 APR 80	11 3	-.1			0	0	2	1	0	0	0
-075		11 22	-.1			0	0	2	1	0	0	0
AA-101-076	03 APR 80	11 17	-.2			0	0	2	0	0	0	0
-077		14 12	-.1			0	0	2	1	0	0	0
AA-101-080	10 APR 80	9 39	-.1			1	0	2	1	0	0	0
-081		10 47	-.1			0	0	2	9	0	0	0
-082		11 47	-.2			0	0	2	9	0	0	0
-083		12 3	-.1			0	0	2	9	0	0	0
AA-101-087	11 APR 80	10 51	-.4			0	0	2	0	0	0	0
AA-101-088	16 APR 80	10 4	-.4			0	0	2	9	0	0	0
AA-101-089	17 APR 80	11 23	-.4			0	0	2	9	0	0	0
AA-101-090	18 APR 80	11 6	-.1			0	0	2	0	0	0	0
AA-101-092	22 APR 80	11 2	-.5			0	0	2	0	0	0	0
AA-102-093		14 10	-.4			0	0	2	0	0	0	0
AA-101-094	06 MAY 80	14 33	-.5			0	0	2	0	0	0	0
AA-101-096	08 MAY 80	10 26	-.4			0	0	2	0	0	0	0
AA-102-097		14 52	-.1			1	0	2	1	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE C2

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-101-068	21 FEB 80	14 10	HEAVY OVERCAST
-069		14 13	CLOUDY
AA-102-070		14 33	MISTING, WINDS GUSTING TO 20 KTS
AA-102-071	22 FEB 80	14 48	OVERCAST,WINDS GUSTING TO 20 KTS
-072		14 53	HEAVY OVERCAST, WINDS GUSTING TO 20 KTS
AA-101-073	27 FEB 80	11 57	HEAVY OVERCAST, WINDS GUSTING TO 28 KTS
AA-101-074	01 APR 80	11 3	HEAVY OVERCAST
-075		11 22	HEAVY OVERCAST
AA-101-076	03 APR 80	11 17	HEAVY OVERCAST
-077		14 12	HEAVY OVERCAST
AA-101-080	10 APR 80	9 39	HEAVY OVERCAST,MISTING TYPE RAIN
-081		10 47	HEAVY OVERCAST, WINDS GUSTING TO 22 KTS
-082		11 47	OVERCAST, WINDS GUSTING TO 19 KTS
-083		12 3	WINDS GUSTING TO 19 KTS
AA-101-087	11 APR 80	10 51	100% CLEAR
AA-101-088	16 APR 80	10 4	95 % CLEAR, WINDS GUSTING TO 25 KTS
AA-101-089	17 APR 80	11 23	95% CLEAR
AA-101-090	18 APR 80	11 6	100% CLEAR
AA-101-092	22 APR 80	11 2	CLEAR
AA-102-093		14 10	100% CLEAR
AA-101-094	06 MAY 80	14 33	100% CLEAR
AA-101-096	08 MAY 80	10 26	70% CLOUD COVER, SUN SHINNING DURING TEST
AA-102-097		14 52	HEAVY OVERCAST, LIGHT RAIN

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A3

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	AFAMRL METEOROLOGICAL DATA: TEMP DEG C T3	T2	T1	REL HUM % RH	WIND SPEED M/S S1	S2	S3	S4	AVG S1+2	DIRECTION DEG D1	D2	AUD	VECTOR M/S WV	STATION METEOROLOGICAL DATA: BAR PRESS M HG SBP	TEMP DEG C ST	REL HUM % SRH	WIND M/S SS	DEG SD	M/S SWV
AA-101-098	09 MAY 80	10 40	11.6	12.5	14.3	35	2.0	1.9			2.0	260	294	277	-1.3	.741	13	35	3	290	-1.2
-099		12 29	12.5	12.8	13.9	31	3.2	2.7			2.9	247	262	254	-2.6	.740	15	31	4	310	-.6
AA-102-100		14 34	15.9	16.1	17.3	27	1.4	2.9			2.1	251	226	239	2.1	.739	17	27	3	260	2.6
AA-103-101	09 SEP 80	7 10	17.6	17.0	16.1	79	.1				.1	37		37	.1	.742	18	88	0		.0
-103		7 24	17.8	17.2	16.4	83	.0				.0				.0	.742	18	88	0		.0
-105		7 35	17.7	17.5	17.4	84	.0				.0				.0	.742	18	88	0		.0
-107		7 45	17.9	17.7	17.5	84	.0				.0				.0	.742	18	88	0		.0
-109		7 55	18.2	18.2	18.3	83	.0				.0				.0	.742	18	88	0		.0
-111		12 26	26.9	27.4	28.0	69	3.4				3.4	202		202	-3.0	.742	29	62	5	220	-5.1
-112		12 58	29.6	30.3	31.2	65	3.5				3.5	216		216	-3.4	.741	29	62	5	220	-5.1
-114		13 10	29.5	31.0	32.7	65	4.8				4.8	210		210	-4.5	.741	29	62	5	220	-5.1
-116		13 23	30.6	32.3	33.9	63	4.0				4.0	206		206	-3.7	.741	29	62	5	220	-5.1
-118		13 37	30.6	32.0	33.6	64	3.2		2.6		3.2	217		217	-3.1	.740	30	59	7	240	-7.1
-120		13 53	30.8	31.6	33.3	64	2.7		1.9		2.7	203		203	-2.5	.740	30	59	7	240	-7.1
-122		14 8	30.9	32.1	33.4	63	4.3		3.2		4.3	207		207	-4.0	.740	30	59	7	240	-7.1
AA-104-102		7 17	17.7	17.0	16.4	82	.3				.3	11		11	-.3	.742	18	88	0		.0
-104		7 30	17.8	17.4	17.1	83	.0				.0				.0	.742	18	88	0		.0
-106		7 40	17.8	17.5	17.4	84	.0				.0				.0	.742	18	88	0		.0
-108		7 50	18.1	17.9	18.0	83	.0				.0				.0	.742	18	88	0		.0
-110		8 1	18.3	18.5	18.5	83	.4				.4	33		33	-.4	.742	18	88	0		.0
-113		13 4	30.1	31.2	32.8	65	4.3				4.3	202		202	3.8	.741	29	62	5	220	5.1
-115		13 16	29.8	31.2	32.3	65	4.2				4.2	209		209	4.0	.741	29	62	5	220	5.1
-117		13 29	29.9	30.1	31.4	64	2.7		2.3		2.7	208		208	2.5	.741	29	62	5	220	5.1
-119		13 47	30.3	31.4	32.0	64	3.8		2.8		3.8	207		207	3.5	.740	30	59	7	240	7.1
-121		14 3	30.8	32.0	33.2	62	4.0		2.9		4.0	207		207	3.8	.740	30	59	7	240	7.1
-123		14 13	31.4	32.4	34.4	62	4.7		3.7		4.7	228		228	4.7	.740	30	59	7	240	7.1
-124		15 18	31.0	31.7	32.9	62	4.5		3.2		4.5	225		225	4.5	.740	31	55	5	250	4.8

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-909-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE 83

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S: AVE ALPHA	AVE BETA	ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-101-098	09 MAY 80	10 40	-.5			0	0	2	0	0	0	0
-099		12 29	-.2			0	0	2	0	0	0	0
AA-102-100		14 34	-.3			0	0	2	0	0	0	0
AA-103-101	09 SEP 80	7 10	.3			0	0	2	7	0	0	0
-103		7 24	.3			0	0	2	7	0	0	0
-105		7 35	.1			0	0	2	7	0	0	0
-107		7 45	.1			0	0	2	7	0	0	0
-109		7 55	.0			0	0	2	7	0	0	0
-111		12 26	-.2			0	0	2	0	0	0	0
-112		12 50	-.4			0	0	2	0	0	0	0
-114		13 10	-.7			0	0	2	0	0	0	0
-116		13 23	-.7			0	0	2	0	0	0	0
-118		13 37	-.7	-.7	-1.4	0	0	2	0	0	0	0
-120		13 53	-.5	-.9	-1.5	0	0	2	0	0	0	0
-122		14 8	-.5	-1.3	-1.8	0	0	2	0	0	0	0
AA-104-102		7 17	.3			0	0	2	7	0	0	0
-104		7 30	.1			0	0	2	7	0	0	0
-106		7 40	.1			0	0	2	7	0	0	0
-108		7 50	.0			0	0	2	7	0	0	0
-110		8 1	-.1			0	0	2	7	0	0	0
-113		13 4	-.6			0	0	2	0	0	0	0
-115		13 16	-.5			0	0	2	0	0	0	0
-117		13 29	-.4	.4	.1	0	0	2	0	0	0	0
-119		13 47	-.4	1.1	.8	0	0	2	0	0	0	0
-121		14 3	-.5	1.3	.8	0	0	2	0	0	0	0
-123		14 13	-.7	1.3	.6	0	0	2	0	0	0	0
-124		15 18	-.4	1.6	1.2	0	0	2	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE C3

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-101-098	09 MAY 80	10 40	CLEAR, LITTLE WIND, DRY
-099		12 29	50 % CLOUD COVER, WINDS GUSTING TO 15 KTS, DRY, NO SUN
AA-102-100		14 34	60% OVERCAST, WINDS GUSTING TO 13 KTS, SUNNY DURING MEASUREMENTS
AA-103-101	09 SEP 80	7 10	SUNRISE, DEW
-103		7 24	DEW
-105		7 35	DEW
-107		7 45	DEW
-109		7 55	DEW
-111		12 26	HAZY, SCATTERED CLOUDS
-112		12 58	HAZY, SCATTERED CLOUDS
-114		13 10	SUN
-116		13 23	HAZY SUN, SCATTERED CLOUDS
-118		13 37	HAZY SUN, SCATTERED CLOUDS.
-120		13 53	HAZY,SUN, SCATTERED CLOUDS
-122		14 8	HAZY SUN, OVERCAST
AA-104-102		7 17	DEW
-104		7 30	DEW
-106		7 40	DEW
-108		7 50	DEW
-110		8 1	
-113		13 4	HAZY SUN,SCATTERED CLOUDS
-115		13 16	HAZY SUN, SCATTERED CLOUDS
-117		13 29	HAZY,SCATTERED CLOUDS
-119		13 47	HAZY SUN, SCATTERED CLOUDS
-121		14 3	HAZY SUN, OVERCAST
-123		14 13	HAZY SUN, OVERCAST
-124		15 18	95% OVERCAST, WIND GUSTING TO 15 KTS

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 12.1
TEST AA-[illegible]-[illegible]

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 08 FEB 87
PAGE A4

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	AFAMRL METEOROLOGICAL DATA: TEMP DEG C T3	T2	T1	REL HUM % RH	WIND SPEED M/S S1	S2	S3	S4	AVG S1+2	DIRECTION DEG D1	D2	AVD	VECTOR M/S HV	STATION METEOROLOGICAL DATA: BAR PRESS M HG SBP	TEMP DEG C ST	REL HUM % SRH	WIND M/S SS	DEG SD	M/S SHV
AA-103-125	10 SEP 80	6 58	11.9	11.6	11.2	90	1.5				1.5	19		19	1.3	.744	12	82	1	10	.8
-127		7 11	11.8	11.6	11.2	90	1.6				1.6	19		19	1.4	.744	12	82	1	10	.8
-129		7 22	12.1	11.8	11.2	90	2.0				2.0	17		17	1.7	.744	12	82	1	10	.8
-131		7 33	12.4	12.2	12.3	90	1.5				1.5	20		20	1.3	.745	13	77	2	20	1.0
-133		7 44	12.6	12.6	12.8	89	1.8				1.8	20		20	1.5	.745	13	77	2	20	1.0
-135		13 0	20.7	21.2	23.5	66	1.7				1.7	84		84	1.4	.745	21	43	2	30	1.5
-137		13 10	21.7	22.6	24.7	65	1.6				1.6	42		42	1.6	.745	21	43	2	30	1.5
-139		13 19	21.4	22.2	24.1	65	.9				.9	357		357	.6	.745	21	43	2	30	1.5
-141		13 29	21.1	22.2	24.2	64	2.4				2.4	0		0	1.6	.745	21	43	2	30	1.5
-143		13 44	21.7	22.6	25.1	65	2.0				2.0	324		324	.2	.745	21	43	2	30	1.5
AA-104-126		7 4	11.8	11.6	11.2	90	1.9				1.9	18		18	-1.7	.744	12	82	1	10	-.8
-128		7 16	11.8	11.6	11.1	90	1.4				1.4	14		14	-1.2	.744	12	82	1	10	-.8
-130		7 28	12.2	12.1	11.9	90	1.9				1.9	20		20	-1.6	.744	12	82	1	10	-.8
-132		7 39	12.5	12.4	12.6	90	1.9				1.9	23		23	-1.7	.745	13	77	2	20	-1.0
-134		7 50	12.7	12.7	12.9	89	2.0				2.0	13		13	-1.6	.745	13	77	2	20	-1.0
-136		13 4	21.0	23.4	24.8	65	3.3				3.3	35		35	-3.3	.745	21	43	2	30	-1.5
-138		13 14	20.4	22.2	24.4	64	3.2				3.2	335		335	-.9	.745	21	43	2	30	-1.5
-140		13 24	21.7	23.1	25.0	65	1.9				1.9	30		30	-1.0	.745	21	43	2	30	-1.5
-142		13 36	21.2	23.1	25.1	64	1.8				1.8	48		48	-1.0	.745	21	43	2	30	-1.5
-144		13 49	21.0	22.0	25.1	64	2.5				2.5	345		345	-1.1	.745	21	43	2	30	-1.5
AA-103-145	16 SEP 80	7 19	13.5	12.4	11.0	100	.0		.4		.0	76		76	.7	.738	14	88	0		.0
-147		7 34	13.4	12.4	11.1	100	.4		.0		.4	20		20	.4	.738	14	88	0		.0
-149		7 47	13.0	13.9	13.1	100	.0		.0		.0				.0	.738	14	88	0		.0
-151		8 0	14.0	14.7	14.0	100	.0		.0		.0				.0	.738	14	88	0		.0
-153		8 12	15.0	16.1	16.3	100	.0		.0		.0				.0	.738	14	88	0		.0
-155		13 12	19.6	19.0	19.4	96	1.9		1.5		1.9	188		188	-1.4	.737	20	78	3	210	-2.4
-156		13 21	19.6	19.7	20.1	96	2.2		1.7		2.2	200		200	-1.9	.737	20	78	3	210	-2.4
-158		13 49	18.9	19.3	19.7	96	2.2		1.9		2.2	191		191	-1.7	.737	21	78	3	180	-2.0
-159		13 51	19.1	19.9	19.9	96	2.6		2.1		2.6	191		191	-2.1	.737	21	78	3	180	-2.0
-160		13 54	19.7	19.7	20.1	95	2.3		2.0		2.3	188		188	-1.7	.738	21	78	3	180	-2.0
AA-104-157		13 42	18.8	18.9	19.2	97	2.4		2.0		2.4	197		197	2.0	.737	21	78	3	180	2.0
-161		14 8	20.5	21.3	21.5	94	3.1		2.4		3.1	177		177	1.9	.738	21	78	3	180	2.0
-162		14 11	20.6	21.1	21.3	92	4.3		3.2		4.3	183		183	3.0	.738	21	78	3	180	2.0
-163		14 13	20.7	21.3	21.5	93	2.8		2.5		2.8	190		190	2.2	.738	21	78	3	180	2.0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE B4

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-103-125	10 SEP 80	6 58	.2			0	0	2	7	0	0	0
-127		7 11	.1			0	0	2	7	0	0	0
-129		7 22	.2			0	0	2	7	0	0	0
-131		7 33	.0			0	0	2	7	0	0	0
-133		7 44	-.1			0	0	2	7	0	0	0
-135		13 0	-.7			0	0	2	0	0	0	0
-137		13 10	-.7			0	0	2	0	0	0	0
-139		13 19	-.6			0	0	2	0	0	0	0
-141		13 29	-.7			0	0	2	0	0	0	0
-143		13 44	-.8			0	0	2	0	0	0	0
AA-104-126		7 4	.1			0	0	2	7	0	0	0
-128		7 16	.2			0	0	2	7	0	0	0
-130		7 28	.1			0	0	2	7	0	0	0
-132		7 39	-.1			0	0	2	7	0	0	0
-134		7 50	-.1			0	0	2	7	0	0	0
-136		13 4	-.8			0	0	2	0	0	0	0
-138		13 14	-.8			0	0	2	0	0	0	0
-140		13 24	-.9			0	0	2	0	0	0	0
-142		13 36	-.8			0	0	2	0	0	0	0
-144		13 49	-.7			0	0	2	0	0	0	0
AA-103-145	16 SEP 80	7 19	.4	.4	.8	0	0	2	7	0	0	0
-147		7 34	.5			0	0	2	7	0	0	0
-149		7 47	.2			0	0	2	7	0	0	0
-151		8 0	.0			0	0	2	7	0	0	0
-153		8 12	-.1			0	0	2	7	0	0	0
-155		13 12	.1	-.4	-.3	1	0	2	1	0	0	0
-156		13 21	-.1	-.5	-.6	1	0	2	1	0	0	0
-158		13 49	-.2	-.3	-.5	1	0	2	1	0	0	0
-159		13 51	-.2	-.5	-.6	1	0	2	1	0	0	0
-160		13 54	-.1	-.3	-.4	1	0	2	1	0	0	0
AA-104-157		13 42	-.1	.5	.4	1	0	2	1	0	0	0
-161		14 8	-.2	.5	.3	0	0	2	1	0	0	0
-162		14 11	-.1	.9	.7	0	0	2	1	0	0	0
-163		14 13	-.2	.3	.1	0	0	2	1	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-ROS-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE C4

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-103-125	10 SEP 80	6 58	CLEAR SKY, SUNRISE
-127		7 11	CLEAR SKIES
-129		7 22	CLEAR SKIES, BEAUTIFUL DAY
-131		7 33	CLEAR SKIES
-133		7 44	CLEAR SKIES
-135		13 0	95 % CLEAR
-137		13 10	95 % CLEAR
-139		13 19	95 % CLEAR
-141		13 29	100 % CLEAR
-143		13 44	100 % CLEAR
AA-104-126		7 4	CLEAR SKIES
-128		7 18	CLEAR SKIES
-130		7 28	CLEAR SKIES, BEAUTIFUL DAY
-132		7 39	CLEAR SKIES
-134		7 50	CLEAR SKIES
-136		13 4	95 % CLEAR
-138		13 14	95 % CLEAR
-140		13 24	100 % CLEAR
-142		13 36	100 % CLEAR
-144		13 49	100 % CLEAR
AA-103-145	16 SEP 80	7 19	
-147		7 34	
-149		7 47	NO WIND, SLIGHT GROUND FOG
-151		8 0	CLEAR SKIES, STILL SOME GROUND FOG
-153		8 12	
-155		13 12	LIGHT RAIN
-156		13 21	
-158		13 49	LIGHT RAIN
-159		13 51	LIGHT RAIN
-160		13 54	VERY LIGHT RAIN
AA-104-157		13 42	LIGHT RAIN
-161		14 8	OVERCAST
-162		14 11	OVERCAST
-163		14 13	OVERCAST, QUIT RAINING

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A5

AFAMRL METEOROLOGICAL DATA

STATION METEOROLOGICAL DATA

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	TEMP DEG C T3	TEMP DEG C TZ	TEMP DEG C T1	REL HUM % RH	SPEED M/S S1	SPEED M/S S2	SPEED M/S S3	SPEED M/S S4	WIND SPEED M/S AVG S1+2	DIRECTION DEG D1	DIRECTION DEG DZ	DIRECTION DEG AVD	VECTOR M/S WV	BAR PRESS M HG SBP	TEMP DEG C ST	REL HUM % SRH	WIND M/S SS	WIND DEG SD	WIND M/S SWV
AA-108-146	16 SEP 80	7 28	13.3	12.0	11.0	88	.4		.0		.4	69		69	-.3	.738	14	88	0		.0
-148		7 40	13.8	13.4	12.3	88	.0		.0		.0				.0	.738	14	88	0		.0
-150		7 53	14.6	14.0	14.5	88	.0		.0		.0				.0	.738	14	88	0		.0
-152		8 6	15.2	15.0	15.1	88	.0		.0		.0				.0	.738	14	88	0		.0
-154		8 21	15.8	16.5	17.1	88	.0		.0		.0				.0	.738	14	88	0		.0
AA-103-164	17 SEP 80	7 5	18.5	18.3	18.5	100	4.7		3.8		4.7	177		177	-2.9	.732	19	83	5	210	-4.9
-165		7 12	18.6	18.4	18.3	100	4.7		3.8		4.7	181		181	-3.2	.732	19	83	5	210	-4.9
-166		7 20	18.5	18.4	18.3	100	3.6		3.0		3.6	193		193	-2.9	.732	19	83	5	210	-4.9
-170		7 44	18.7	18.4	18.4	100	4.1		3.0		4.1	222		222	-4.0	.734	19	83	5	270	-3.9
-171		7 47	18.5	18.5	18.3	100	3.8		2.7		3.8	231		231	-3.8	.734	19	83	5	270	-3.9
-175		13 12	12.8	13.0	13.4	100	5.5		4.3		5.5	355		355	3.2	.737	14	88	5	350	2.7
-176		13 22	13.1	13.3	13.2	100	4.2		3.4		4.2	349		349	2.1	.737	14	88	5	350	2.7
-177		13 24	13.0	13.5	13.3	100	5.5		4.1		5.5	353		353	3.1	.737	14	88	5	350	2.7
-178		13 28	13.2	13.5	13.5	100	3.9		3.2		3.9	343		343	1.6	.737	14	88	5	350	2.7
-179		13 34	13.4	13.8	13.9	100	3.3		2.8		3.3	335		335	.9	.738	14	82	4	350	1.9
AA-104-167		7 27	18.3	18.2	18.2	100	3.9		3.3		3.9	191		191	3.1	.732	19	83	5	210	4.9
-168		7 30	18.2	18.3	18.2	100	3.3		2.7		3.3	186		186	2.4	.734	19	83	5	270	3.9
-169		7 33	18.4	18.3	18.2	100	4.3		3.5		4.3	188		188	3.2	.734	19	83	5	270	3.9
-172		8 4	18.6	18.4	18.3	100	3.9		2.7		3.9	231		231	3.9	.734	19	83	5	270	3.9
-173		8 23	18.7	18.6	18.5	100	5.3		4.1		5.3	223		223	5.3	.734	19	83	5	270	3.9
-174		8 27	18.8	18.6	18.6	100	5.1		3.6		5.1	225		225	5.0	.734	19	83	5	270	3.9
-180		13 51	13.5	13.6	13.8	100	2.7		2.4		2.7	343		343	-1.1	.738	14	82	4	350	-1.9
-181		14 2	14.0	14.3	14.7	96	2.6		2.1		2.6	355		355	-1.5	.738	14	82	4	350	-1.9
-182		14 4	13.8	14.0	14.5	96	3.4		2.7		3.4	356		356	-2.0	.738	14	82	4	350	-1.9
-183		14 6	13.8	13.9	14.4	95	4.1		3.0		4.1	355		355	-2.4	.738	14	82	4	350	-1.9
-185		14 8	14.2	14.3	14.4	95	3.5		2.9		3.5	347		347	-1.6	.738	14	82	4	350	-1.9
-186		14 13	14.0	14.5	15.0	94	3.9		3.2		3.9	355		355	-2.3	.738	14	82	4	350	-1.9
-187		14 14	13.8	13.9	14.5	94	4.3		3.4		4.3	355		355	-2.5	.738	14	82	4	350	-1.9

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 19/1
TEST AA-000-001

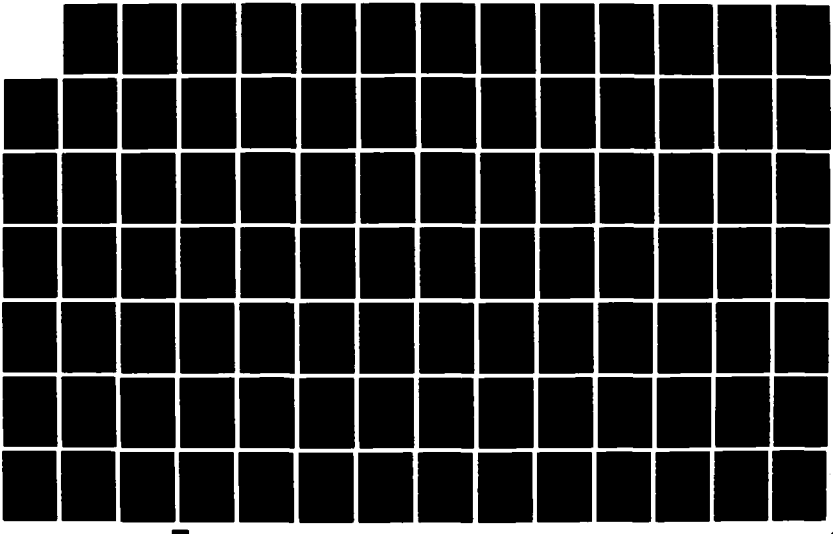
PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE 88

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	BLDG/OBSTACLES (ARRAY AVERAGE): AVE HT (M)	BLDG/OBSTACLES (ARRAY AVERAGE): MAX HT (M)
AA-100-146	16 SEP 80	7 28	.5			0	0	2	7	0	0	0
-148		7 40	.4			0	0	2	7	0	0	0
-150		7 53	.0			0	0	2	7	0	0	0
-152		8 6	.0			0	0	2	7	0	0	0
-154		8 21	-.3			0	0	2	7	0	0	0
AA-103-164	17 SEP 80	7 5	.0	-.7	-.7	1	0	2	1	0	0	0
-166		7 12	.1	-.8	-.7	1	0	2	1	0	0	0
-168		7 20	.1	-.5	-.5	1	0	2	1	0	0	0
-170		7 44	.1	-1.3	-1.2	1	0	2	1	0	0	0
-171		7 47	.1	-1.4	-1.4	1	0	2	1	0	0	0
-173		13 12	-.1	.9	.8	1	0	2	1	0	0	0
-176		13 22	.0	.5	.5	1	0	2	1	0	0	0
-177		13 24	-.1	1.0	1.0	1	0	2	1	0	0	0
-178		13 28	-.1	.4	.3	0	0	2	1	0	0	0
-179		13 34	-.1	.2	.1	0	0	2	1	0	0	0
AA-104-167		7 27	.0	.6	.6	1	0	2	1	0	0	0
-168		7 38	.0	.6	.6	1	0	2	1	0	0	0
-169		7 33	.1	.7	.8	1	0	2	1	0	0	0
-172		8 4	.1	1.5	1.6	1	0	2	1	0	0	0
-173		8 23	.1	1.5	1.5	1	0	2	1	0	0	0
-174		8 27	.1	1.8	1.9	1	0	2	1	0	0	0
-180		13 51	-.1	-.2	-.2	1	0	2	1	0	0	0
-181		14 2	-.2	-.4	-.5	0	0	2	1	0	0	0
-182		14 4	-.2	-.5	-.7	0	0	2	1	0	0	0
-183		14 6	-.1	-.8	-.9	0	0	2	1	0	0	0
-185		14 8	-.1	-.3	-.4	0	0	2	1	0	0	0
-186		14 13	-.2	-.5	-.7	0	0	2	1	0	0	0
-187		14 14	-.2	-.6	-.8	0	0	2	1	0	0	0

AD-A191 289 OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1 6/8
EXPERIMENTAL STUDY FOR..(U) HARRY G ARMSTRONG AEROSPACE
MEDICAL RESEARCH LAB WRIGHT-PATTE.. R G POWELL JUN 87
UNCLASSIFIED AAMRL-TR-84-017-VOL-1 F/G 20/1 NL



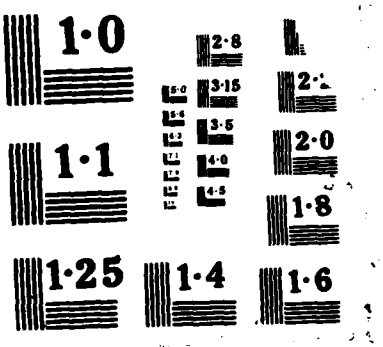

1·0
1·1
1·25
2·8
3·15
3·5
4·0
4·5
2·0
1·8
1·4
1·6

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE C5

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-108-146	16 SEP 80	7 28	VERY SLIGHT GROUND FOG AROUND PERIMETER OF FIELD
-148		7 40	SLIGHT GROUND FOG
-150		7 53	SLIGHT GROUND FOG
-152		8 6	SLIGHT GROUND FOG
-154		8 21	SLIGHT GROUND FOG
AA-103-164	17 SEP 80	7 5	LIGHT RAIN
-165		7 12	LIGHT RAIN
-166		7 20	LIGHT RAIN
-170		7 44	LIGHT RAIN, HEAVY CLOUDS
-171		7 47	LIGHT RAIN, HEAVY CLOUDS
-175		13 12	LIGHT RAIN & FOG
-176		13 22	LIGHT RAIN
-177		13 24	LIGHT RAIN
-178		13 28	QUIT RAINING
-179		13 34	HEAVY CLOUDS, NO MIST
AA-104-167		7 27	LIGHT RAIN HEAVY CLOUDS
-168		7 30	LIGHT RAIN
-169		7 33	LIGHT RAIN
-172		8 4	LIGHT RAIN,HEAVY LOW CLOUDS
-173		8 23	HEAVY CLOUDS, LIGHT RAIN
-174		8 27	LIGHT RAIN
-180		13 51	FINE RAIN,LOW CLOUDS
-181		14 2	
-182		14 4	
-183		14 6	
-185		14 8	
-186		14 13	
-187		14 14	

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-209-091

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A6

AFAMRL METEOROLOGICAL DATA

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	TEMP DEG C			REL HUM %	SPEED M/S				WIND AVG	DIRECTION DEG			VECTOR M/S	STATION METEOROLOGICAL DATA: BAR PRESS M HG	TEMP DEG C	REL HUM %	WIND M/S	WIND DEG	WIND M/S
			T3	T2	T1	RH	S1	S2	S3	S4	S1+2	D1	D2	AVD	WV	SBP	ST	SRH	SS	SD	SWV
AA-103-188	19 SEP 80	7 1	9.6	9.3	8.0	95	.1		.0		.1	3		3	.1	.746	12	82	0		.0
-189		7 3	9.7	9.7	8.2	95	.0		.0		.0				.0	.746	12	82	0		.0
-192		7 21	9.8	9.4	8.0	96	.8		.5		.8	218		218	-.7	.746	12	82	0		.0
-193		7 23	9.8	9.6	8.1	95	.0		.0		.0				.0	.746	12	82	0		.0
-194		7 25	9.8	9.3	8.4	95	.0		.0		.0				.0	.746	12	82	0		.0
-200		7 52	10.3	9.2	8.1	95									.0	.746	11	87	0		.0
-201		7 54	10.8	8.6	8.4	95									.0	.746	11	87	0		.0
-202		7 56	11.0	9.6	8.7	95									.0	.746	11	87	0		.0
-203		7 58	11.0	9.9	8.7	94									.0	.746	11	87	0		.0
-204		8 0	11.0	9.8	8.7	94									.0	.746	11	87	0		.0
-205		8 2	11.2	10.1	9.5	94	.5		.0		.5	88		88	.4	.746	11	87	0		.0
-206		8 14	11.7	12.2	10.9	96	.0		.0		.0				.0	.746	11	87	0		.0
-207		12 53	19.7	20.9	22.4	73	1.6		1.1		1.6	48		48	1.6	.746	21	60	3	0	2.0
-208		12 55	20.1	21.6	23.1	74	1.3		1.4		1.3	61		61	1.3	.746	24	50	3	0	2.0
-209		12 57	20.7	21.7	24.0	70	.0				.0				.0	.746	24	50	3	0	2.0
-210		12 59	20.2	21.8	23.8	70	1.0		.9		1.0	51		51	1.0	.746	24	50	3	0	2.0
AA-104-190		7 12	9.8	9.6	8.2	96	.5		.5		.5	24		24	-.5	.746	12	82	0		.0
-191		7 14	9.8	9.5	8.1	96	.0		.0		.0				.0	.744	12	82	0		.0
-195		7 38	10.1	8.3	7.0	94									.0	.746	11	87	0		.0
-196		7 39	10.1	8.5	7.1	94									.0	.746	11	87	0		.0
-197		7 42	10.0	8.8	7.2	94									.0	.746	11	87	0		.0
-198		7 44	10.1	8.9	7.4	94									.0	.746	11	87	0		.0
-199		7 46	10.2	9.2	7.5	95									.0	.746	11	87	0		.0
-211		13 16	21.8	23.0	24.7	68	.4		.4		.4	325		325	.0	.746	24	50	3	0	-2.0
-212		13 21	21.4	23.4	24.8	68	.3		.1		.3	44		44	-.3	.746	24	50	3	0	-2.0
-213		13 35	21.4	22.0	24.8	68	1.3		1.2		1.3	311		311	.2	.745	25	42	0	360	1.0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE B6

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S: AVE ALPHA	AVE BETA	ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-103-188	19 SEP 80	7 1	.4			0	0	2	7	0	0	0
-189		7 3	.4			0	0	2	7	0	0	0
-192		7 21	.4	-.3	.2	0	0	2	7	0	0	0
-193		7 23	.4			0	0	2	7	0	0	0
-194		7 25	.3			0	0	2	7	0	0	0
-200		7 52	.4			0	0	2	7	0	0	0
-201		7 54	.5			0	0	2	7	0	0	0
-202		7 56	.5			0	0	2	7	0	0	0
-203		7 58	.5			0	0	2	7	0	0	0
-204		8 0	.5			0	0	2	7	0	0	0
-205		8 2	.4			0	0	2	7	0	0	0
-206		8 14	.2			0	0	2	7	0	0	0
-207		12 53	-.6	.7	.1	0	0	2	0	0	0	0
-208		12 55	-.7			0	0	2	0	0	0	0
-209		12 57	-.7			0	0	2	0	0	0	0
-210		12 59	-.8	.1	-.7	0	0	2	0	0	0	0
AA-104-190		7 12	.4	.0	.4	0	0	2	7	0	0	0
-191		7 14	.4			0	0	2	7	0	0	0
-195		7 33	.7			0	0	2	7	0	0	0
-196		7 39	.6			0	0	2	7	0	0	0
-197		7 42	.6			0	0	2	7	0	0	0
-198		7 44	.6			0	0	2	7	0	0	0
-199		7 46	.6			0	0	2	7	0	0	0
-211		13 16	-.6	.0	-.6	0	0	2	0	0	0	0
-212		13 21	-.7	-.2	-1.0	0	0	2	0	0	0	0
-213		13 35	-.8	.0	-.8	0	0	2	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 19.1
TEST AA-303-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE C6

LOG-STA/ARRAY-EVENT	TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-103-188		19 SEP 80	7 1	LIGHT GROUND FOG
-189			7 3	LIGHT GROUND FOG
-192			7 21	LIGHT GROUND FOG
-193			7 23	
-194			7 25	
-200			7 52	
-201			7 54	
-202			7 56	
-203			7 58	
-204			8 0	
-205			8 2	
-206			8 14	
-207			12 53	
-208			12 55	
-209			12 57	
-210			12 59	
AA-104-190			7 12	DAWN, LIGHT GROUND FOG
-191			7 14	LIGHT GROUND FOG
-195			7 33	LIGHT GROUND FOG
-196			7 39	
-197			7 42	
-198			7 44	
-199			7 46	
-211			13 16	
-212			13 21	
-213			13 35	

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A7

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	AFAMRL METEOROLOGICAL DATA: TEMP DEG C			REL HUM %	WIND SPEED M/S					WIND DIRECTION DEG			VECTOR M/S	STATION METEOROLOGICAL DATA: BAR PRESS M HG	TEMP DEG C	REL HUM %	WIND M/S	WIND DEG	WIND M/S
			T3	T2	T1	RH	S1	S2	S3	S4	AVG S1+2	D1	D2	AVD	WV	SBP	ST	SRH	SS	SD	SWV
AA-103-214	23 SEP 80	7 8	13.8	13.8	13.5	74	2.8		2.5		2.8	0		0	1.9	.740	14	82	4	0	2.7
-215		7 10	13.8	13.7	13.4	75	2.9		2.3		2.9	356		356	1.7	.740	14	82	4	0	2.7
-216		7 12	13.8	13.8	13.5	75	2.8		2.2		2.8	358		358	1.8	.740	14	82	4	0	2.7
-220		7 33	13.6	13.6	13.3	76	2.6		2.0		2.6	356		356	1.6	.740	14	82	4	0	2.7
-221		7 35	13.6	13.6	13.3	76	3.2		2.3		3.2	359		359	2.0	.741	14	82	3	0	1.7
AA-104-217		7 21	13.7	13.7	13.4	75	2.1		1.7		2.1	356		356	-1.3	.740	14	82	4	0	-2.7
-218		7 23	13.7	13.7	13.3	75	2.3		2.0		2.3	356		356	-1.4	.740	14	82	4	0	-2.7
-219		7 24	13.7	13.6	13.3	75	2.5		2.1		2.5	360		360	-1.7	.740	14	82	4	0	-2.7
-222		7 41	13.6	13.6	13.4	76	3.5		2.8		3.5	9		9	-2.7	.741	14	82	3	0	-1.7
-223		7 43	13.6	13.6	13.5	76	2.9		2.2		2.9	360		360	-1.9	.741	14	82	3	0	-1.7
-224		7 46	13.6	13.6	13.4	76	1.9		1.4		1.9	357		357	-1.2	.741	14	82	3	0	-1.7
AA-103-235	24 SEP 80	6 59	9.9	9.4	8.6	82	.8		.4		.8	0		0	.6	.742	9	87	0		.0
-236		7 1	9.8	9.1	8.2	82	.8		.6		.8	14		14	.7	.742	9	87	0		.0
-237		7 3	9.9	9.1	8.1	82	1.1		.6		1.1	0		0	.7	.742	9	87	0		.0
-238		7 4	10.0	9.0	8.2	82	1.2		.8		1.2	36		36	1.2	.742	9	87	0		.0
-243		7 24	9.8	9.4	8.7	83	1.4		1.1		1.4	31		31	1.3	.742	9	87	0		.0
-244		7 26	9.6	9.5	8.7	83	1.1		.7		1.1	0		0	.7	.742	9	87	0		.0
-245		7 27	9.9	9.4	8.7	83	.7		.3		.7	41		41	.7	.742	9	87	0		.0
-246		7 29	10.2	9.3	8.6	83	1.1		.7		1.1	47		47	1.1	.742	10	82	0		.0
-247		7 31	10.1	9.2	8.6	83	1.2		.8		1.2	26		26	1.1	.742	10	82	0		.0
-248		7 32	9.9	9.2	8.5	83	.5		.2		.5	25		25	.5	.742	10	82	0		.0
-257		15 0	21.2	22.0	23.3	67	1.7				1.7	56		56	1.7	.741	20	46	0		.0
-258		15 1	21.0	21.5	22.7	67	2.1				2.1	64		64	2.1	.741	20	46	0		.0
-259		15 3	21.4	22.2	23.2	67	2.0				2.0	101		101	1.2	.741	20	46	0		.0
-260		15 4	21.3	22.1	23.3	67	2.1				2.1	107		107	1.1	.741	20	46	0		.0
-261		15 6	22.1	22.7	24.8	67	1.4				1.4	106		106	.8	.741	20	46	0		.0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-SOS-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 08 FEB 87
PAGE 87

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	BLDG/OBSTACLES (ARRAY AVERAGE): AVE HT (M)	BLDG/OBSTACLES (ARRAY AVERAGE): MAX HT (M)
AA-103-214	23 SEP 80	7 8	.1	.3	.4	0	0	2	7	0	0	0
-215		7 10	.1	.4	.5	0	0	2	7	0	0	0
-216		7 12	.1	.5	.5	0	0	2	7	0	0	0
-220		7 33	.1	.5	.6	0	0	2	7	0	0	0
-221		7 35	.1	.7	.8	0	0	2	7	0	0	0
AA-104-217		7 21	.1	-.4	-.3	0	0	2	7	0	0	0
-218		7 23	.1	-.2	-.1	0	0	2	7	0	0	0
-219		7 24	.1	-.4	-.3	0	0	2	7	0	0	0
-222		7 41	.1	-.7	-.6	0	0	2	7	0	0	0
-223		7 43	.1	-.6	-.6	0	0	2	7	0	0	0
-224		7 46	.1	-.2	-.2	0	0	2	7	0	0	0
AA-103-225	24 SEP 80	6 59	.3	.4	.6	0	0	2	7	0	0	0
-236		7 1	.4	.3	.6	0	0	2	7	0	0	0
-237		7 3	.4	.4	.8	0	0	2	7	0	0	0
-238		7 4	.4	.5	.9	0	0	2	7	0	0	0
-243		7 24	.2	.4	.6	0	0	2	7	0	0	0
-244		7 26	.2	.3	.5	0	0	2	7	0	0	0
-245		7 27	.2	.5	.7	0	0	2	7	0	0	0
-246		7 29	.4	.5	.9	0	0	2	7	0	0	0
-247		7 31	.3	.4	.7	0	0	2	7	0	0	0
-248		7 32	.3	.4	.7	0	0	2	7	0	0	0
-257		15 0	-.5			0	0	2	0	0	0	0
-258		15 1	-.4			0	0	2	0	0	0	0
-259		15 3	-.3			0	0	2	0	0	0	0
-260		15 4	-.4			0	0	2	0	0	0	0
-261		15 6	-.6			0	0	2	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87

LOG-STA/ARRAY-EVENT	TEST NO. DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-103-214	23 SEP 80	7 8	LIGHT CLOUDS
-215		7 10	LIGHT CLOUDS
-216		7 12	LIGHT CLOUDS
-220		7 33	LIGHT CLOUDS
-221		7 35	LIGHT CLOUDS
AA-104-217		7 21	LIGHT CLOUDS
-218		7 23	LIGHT CLOUDS
-219		7 24	LIGHT CLOUDS
-222		7 41	LIGHT CLOUDS
-223		7 43	LIGHT CLOUDS
-224		7 46	LIGHT CLOUDS
AA-103-235	24 SEP 80	6 59	CLEAR DAY
-236		7 1	CLEAR DAY
-237		7 3	CLEAR DAY
-238		7 4	CLEAR DAY
-243		7 24	CLEAR DAY
-244		7 26	CLEAR DAY
-245		7 27	CLEAR DAY
-246		7 29	CLEAR DAY
-247		7 31	CLEAR DAY
-248		7 32	CLEAR DAY
-257		15 0	CLEAR DAY
-258		15 1	CLEAR DAY
-259		15 3	BRIGHT CLEAR DAY
-260		15 4	CLEAR DAY
-261		15 6	CLEAR DAY

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-B03-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A8

AFAMRL METEOROLOGICAL DATA

STATION METEOROLOGICAL DATA

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	TEMP DEG C			REL HUM %	SPEED M/S				WIND AVG	DIRECTION DEG			VECTOR M/S	BAR PRESS	TEMP DEG	REL HUM	WIND		
			T3	T2	T1	RH	S1	S2	S3	S4	S1+2	D1	D2	AVD	WV	SBP	ST	SRH	MS	SD	SWV
AA-104-239	24 SEP 80	7 12	9.6	8.5	8.1	82	1.2		.9		1.2	8		8	-.9	.742	9	87	0		.0
-240		7 13	9.5	8.4	7.9	82	1.0		.6		1.0	12		12	-.8	.745	9	87	0		.0
-241		7 15	9.5	8.5	7.9	82	1.1		.6		1.1	15		15	-.9	.742	9	87	0		.0
-242		7 16	9.5	8.6	7.9	82	.8		.3		.8	10		10	-.6	.742	9	87	0		.0
-249		7 39	9.7	9.1	8.8	83	1.4		1.1		1.4	28		28	-1.3	.742	10	82	0		.0
-250		7 40	9.6	9.3	8.8	83	1.0		.6		1.0	4		4	-.7	.742	10	82	0		.0
-251		7 42	9.7	9.5	8.7	83	1.1		.9		1.1	33		33	-1.1	.742	10	82	0		.0
-252		7 43	9.6	9.5	8.8	83	1.1		.7		1.1	0		0	-.7	.742	10	82	0		.0
-253		7 45	9.7	9.5	8.9	83	1.0		.7		1.0	0		0	-.7	.742	10	82	0		.0
-254		7 46	9.7	9.5	8.9	83	.8		.2		.8	0		0	-.5	.742	10	82	0		.0
-255		7 48	9.7	9.5	8.9	83	1.0		.7		1.0	0		0	-.7	.742	10	82	0		.0
-256		7 49	9.7	9.5	8.9	83	1.0		.7		1.0	0		0	-.6	.742	10	82	0		.0
-262		15 17	23.2	24.5	26.7	67	1.3				1.3	62		62	-1.3	.741	20	46	0		.0
-263		15 18	23.4	24.8	26.8	67	.7				.7	335		335	-.2	.741	20	46	0		.0
-264		15 24	21.9	22.1	24.5	66	1.2				1.2	310		310	.2	.741	20	46	0		.0
-265		15 26	21.8	22.0	23.9	67	1.0				1.0	289		289	.5	.741	20	46	0		.0
-266		15 28	21.7	21.7	23.6	67	1.7				1.7	287		287	.9	.741	20	46	0		.0
AA-103-267	25 SEP 80	7 10	13.6	12.7	12.6	80	.6		.0		.6	31		31	.6	.739	13	80	0		.0
-268		7 14	13.7	13.2	12.8	80	.0		.0		.0				.0	.739	13	80	0		.0
-269		7 17	13.8	13.6	13.3	80	.0		.0		.0				.0	.739	13	80	0		.0
-270		7 19	13.9	13.9	13.6	80	.4		.0		.4	309		309	-.1	.739	13	80	0		.0
-271		7 22	14.0	13.9	13.8	80	.3		.0		.3	251		251	-.3	.739	13	80	0		.0
-277		7 50	14.2	14.0	14.0	82	.5		.0		.5	60		60	.5	.740	14	82	0		.0
-278		7 51	14.3	14.0	14.1	82	.0		.0		.0				.0	.740	14	82	0		.0
AA-104-272		7 30	13.9	13.7	13.7	82	.0		.0		.0				.0	.740	14	82	0		.0
-273		7 32	13.9	13.7	13.7	82	.0		.0		.0				.0	.740	14	82	0		.0
-274		7 34	13.9	13.6	13.6	82	.0		.0		.0				.0	.740	14	82	0		.0
-275		7 36	13.9	13.7	13.6	82	.0		.0		.0				.0	.740	14	82	0		.0
-276		7 38	13.9	13.8	13.7	82	.0		.0		.0				.0	.740	14	82	0		.0
-279		8 0	14.4	14.2	14.3	82	.0		.0		.0				.0	.740	14	82	0		.0
-280		8 2	14.4	14.1	14.2	82	.4		.4		.4	45		45	-.4	.740	14	82	0		.0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE 88

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S: AVE ALPHA	AVE BETA	ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-104-239	24 SEP 80	7 12	.3	-.3	.0	0	0	2	7	0	0	0
-240		7 13	.3	-.4	-.1	0	0	2	7	0	0	0
-241		7 15	.4	-.5	-.1	0	0	2	7	0	0	0
-242		7 16	.3	-.4	-.2	0	0	2	7	0	0	0
-249		7 39	.2	-.3	.0	0	0	2	7	0	0	0
-250		7 40	.2	-.3	-.1	0	0	2	7	0	0	0
-251		7 42	.2	-.3	-.1	0	0	2	7	0	0	0
-252		7 43	.2	-.3	-.1	0	0	2	7	0	0	0
-253		7 45	.2	-.2	.0	0	0	2	7	0	0	0
-254		7 46	.2	-.5	-.3	0	0	2	7	0	0	0
-255		7 48	.2	-.2	-.1	0	0	2	7	0	0	0
-256		7 49	.2	-.3	-.1	0	0	2	7	0	0	0
-262		15 17	-.8			0	0	2	0	0	0	0
-263		15 18	-.7			0	0	2	0	0	0	0
-264		15 24	-.6			0	0	2	0	0	0	0
-265		15 26	-.5			0	0	2	0	0	0	0
-266		15 28	-.5			0	0	2	0	0	0	0
AA-103-267	25 SEP 80	7 10	.2			0	0	2	7	0	0	0
-268		7 14	.2			0	0	2	7	0	0	0
-269		7 17	.1			0	0	2	7	0	0	0
-270		7 19	.1			0	0	2	7	0	0	0
-271		7 22	.1			0	0	2	7	0	0	0
-277		7 50	.0			0	0	2	7	0	0	0
-278		7 51	.1			0	0	2	7	0	0	0
AA-104-272		7 30	.1			0	0	2	7	0	0	0
-273		7 32	.1			0	0	2	7	0	0	0
-274		7 34	.1			0	0	2	7	0	0	0
-275		7 36	.1			0	0	2	7	0	0	0
-276		7 38	.1			0	0	2	7	0	0	0
-279		8 0	.0			0	0	2	7	0	0	0
-280		8 2	.1	.0	.0	0	0	2	7	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 18.1
TEST AA-[illegible]-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE [illegible]

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-104-239	24 SEP 80	7 12	CLEAR DAY
-240		7 13	CLEAR DAY
-241		7 15	CLEAR DAY
-242		7 16	BRIGHT CLEAR DAY
-249		7 39	CLEAR DAY
-250		7 40	CLEAR DAY
-251		7 42	CLEAR DAY
-252		7 43	CLEAR DAY
-253		7 45	CLEAR DAY
-254		7 46	CLEAR DAY
-255		7 48	CLEAR DAY
-256		7 49	CLEAR DAY
-262		15 17	CLEAR DAY
-263		15 18	CLEAR DAY
-264		15 24	CLEAR DAY
-265		15 26	CLEAR DAY
-266		15 28	CLEAR DAY
AA-103-267	25 SEP 80	7 10	HEAVY CLOUD COVER
-268		7 14	HEAVY CLOUD COVER
-269		7 17	HEAVY CLOUD COVER
-270		7 19	HEHVY CLOUD COVER
-271		7 22	HEAVY CLOUD COVER
-277		7 50	HEAVY CLOUD COVER
-278		7 51	HEAVY CLOUD COVER
AA-104-272		7 30	HEAVY CLOUD COVER
-273		7 32	HEAVY CLOUD COVER
-274		7 34	HEAVY CLOUD COVER
-275		7 36	HEAVY CLOUD COVER
-276		7 38	HEAVY CLOUD COVER
-279		8 0	CALM, MEDIUM OVERCAST, SOME BREAKS IN THE CLOUD COVER
-280		8 2	CALM,MEDIUM CLOUD COVER, SOME BREAKS IN THE CLOUDS

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A9

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	AFAMRL METEOROLOGICAL DATA: TEMP DEG C T3	T2	T1	REL HUM % RH	WIND SPEED M/S S1	S2	S3	S4	AVG S1+2	DIRECTION DEG D1	D2	AVD	VECTOR M/S WV	STATION METEOROLOGICAL DATA: BAR PRESS M HG SBP	TEMP DEG C ST	REL HUM % SRH	WIND M/S SS	WIND DEG SD	WIND M/S SWV
AA-103-281	30 SEP 80	14 15	24.8	26.0	27.8	74	2.4		1.9		2.4	128		128	.4	.739	24	44	3	100	1.6
-282		14 17	24.1	25.9	27.8	73	4.1		3.2		4.1	103		103	2.4	.739	24	44	3	100	1.6
-283		14 19	24.8	26.1	27.5	73	2.4		1.9		2.4	137		137	.1	.739	24	44	3	100	1.6
-284		14 21	25.1	26.8	28.3	73	2.7		2.2		2.7	158		158	-.9	.739	24	44	3	100	1.6
-285		14 22	25.1	26.1	27.7	73	1.4		1.2		1.4	122		122	.4	.739	24	44	3	100	1.6
-291		14 44	24.8	26.7	28.4	73	3.4		2.7		3.4	123		123	.9	.738	24	44	3	140	.0
-292		14 47	25.0	25.9	28.0	73	2.9		2.3		2.9	103		103	1.7	.738	24	44	3	140	.0
-293		14 48	25.5	26.2	28.0	72	.9		.8		.9	77		77	.8	.738	24	44	3	140	.0
-294		14 50	26.2	27.4	29.0	73	1.4		1.2		1.4	126		126	.3	.738	24	44	3	140	.0
-295		14 53	25.5	27.2	28.8	72	1.7		1.4		1.7	147		147	-.2	.738	24	44	3	140	.0
AA-104-286		14 30	24.5	26.1	27.6	73	1.9		1.5		1.9	151		151	.4	.738	24	44	3	140	.0
-287		14 31	25.5	26.3	28.0	73	1.8		1.5		1.8	98		98	-1.1	.738	24	44	3	140	.0
-288		14 33	25.6	26.7	28.7	74	2.2		1.9		2.2	91		91	-1.7	.738	24	44	3	140	.0
-289		14 34	26.3	26.7	28.9	73	.9		.8		.9	43		43	-.9	.738	24	44	3	140	.0
-290		14 37	26.0	27.3	29.0	73	1.8		1.4		1.8	163		163	.7	.738	24	44	3	140	.0
-296		15 13	26.0	27.8	28.8	72	2.5		2.0		2.5	150		150	.5	.738	24	44	3	140	.0
-297		15 25	25.1	26.5	28.2	72	2.9		2.3		2.9	110		110	-1.4	.738	24	44	3	140	.0
AA-103-299	01 OCT 80	7 0	12.4	10.2	9.0	88	1.1		.0		1.1	87		87	.8	.738	13	88	0		.0
-300		7 2	12.2	10.4	9.1	88	.9		.0		.9	89		89	.7	.738	13	88	0		.0
-301		7 3	12.1	10.3	9.5	88	.7		.0		.7	89		89	.6	.738	13	88	0		.0
-302		7 5	12.1	10.2	9.5	88	.7		.0		.7	89		89	.6	.738	13	88	0		.0
-303		7 7	12.1	10.4	9.3	88	.6		.0		.6	89		89	.5	.738	13	88	0		.0
-309		7 32	12.0	11.3	10.0	94	.0		.0		.0				.0	.738	12	94	1	150	-.2
-310		7 33	12.0	11.4	10.4	94	.4		.0		.4	126		126	.1	.738	12	94	1	150	-.2
-311		7 35	12.0	11.5	10.8	94	.4		.0		.4	133		133	.0	.738	12	94	1	150	-.2
-312		7 36	11.9	11.4	10.7	94	.5		.0		.5	141		141	.0	.738	12	94	1	150	-.2
-313		7 38	12.0	11.5	10.8	94	.8		.0		.8	134		134	.1	.738	12	94	1	150	-.2
-319		7 59	12.2	12.1	11.5	94	.9		.5		.9	129		129	.2	.738	12	94	1	150	-.2
-320		8 0	12.3	12.2	11.6	94	.9		.6		.9	132		132	.1	.738	12	94	1	150	-.2
-321		8 1	12.4	12.4	11.8	94	.9		.4		.9	132		132	.1	.738	12	94	1	150	-.2
-322		8 3	12.5	12.5	11.9	94	.9		.6		.9	132		132	.1	.738	12	94	1	150	-.2
-323		8 8	12.8	12.7	12.4	94	.9		.3		.9	126		126	.2	.738	12	94	1	150	-.2

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
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TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	AVE BETA	ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-103-281	30 SEP 80	14 15	-.7	.1	-.5	0	0	2	0	0	0	0
-282		14 17	-.8	.6	-.2	0	0	2	0	0	0	0
-283		14 19	-.6	.0	-.6	0	0	2	0	0	0	0
-284		14 21	-.7	-.2	-.9	0	0	2	0	0	0	0
-285		14 22	-.5	.1	-.5	0	0	2	0	0	0	0
-291		14 44	-.8	.2	-.5	0	0	2	0	0	0	0
-292		14 47	-.7	.4	-.3	0	0	2	0	0	0	0
-293		14 48	-.5	.1	-.4	0	0	2	0	0	0	0
-294		14 50	-.6	.0	-.6	0	0	2	0	0	0	0
-295		14 53	-.7	-.1	-.8	0	0	2	0	0	0	0
AA-104-286		14 30	-.7	.1	-.5	0	0	2	0	0	0	0
-287		14 31	-.5	-.2	-.8	0	0	2	0	0	0	0
-288		14 33	-.7	-.3	-1.0	0	0	2	0	0	0	0
-289		14 34	-.6	-.2	-.8	0	0	2	0	0	0	0
-290		14 37	-.7	.2	-.5	0	0	2	0	0	0	0
-296		15 13	-.6	.1	-.5	0	0	2	0	0	0	0
-297		15 25	-.7	-.4	-1.1	0	0	2	0	0	0	0
AA-103-299	01 OCT 80	7 0	.7			0	0	2	7	0	0	0
-300		7 2	.7			0	0	2	7	0	0	0
-301		7 3	.5			0	0	2	7	0	0	0
-302		7 5	.5			0	0	2	7	0	0	0
-308		7 7	.6			0	0	2	7	0	0	0
-309		7 32	.4			0	0	2	7	0	0	0
-310		7 33	.4			0	0	2	7	0	0	0
-311		7 35	.2			0	0	2	7	0	0	0
-312		7 36	.2			0	0	2	7	0	0	0
-313		7 38	.2			0	0	2	7	0	0	0
-319		7 59	.2	.1	.3	0	0	2	7	0	0	0
-320		8 0	.2	.0	.2	0	0	2	7	0	0	0
-321		8 1	.2	.1	.2	0	0	2	7	0	0	0
-322		8 3	.2	.0	.2	0	0	2	7	0	0	0
-323		8 8	.1	.2	.3	0	0	2	7	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
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TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
LOG-STA/ARRAY-EVENT			
AA-103-281	30 SEP 80	14 15	BRIGHT CLEAR DAY
-282		14 17	BRIGHT CLEAR DAY
-283		14 19	BRIGHT CLEAR DAY
-284		14 21	BRIGHT CLEAR DAY
-285		14 22	BRIGHT CLEAR DAY
-291		14 44	
-292		14 47	
-293		14 48	BEAUTIFUL
-294		14 50	
-295		14 53	
AA-104-286		14 30	BRIGHT CLEAR DAY
-287		14 31	BRIGHT CLEAR DAY
-288		14 33	BRIGHT CLEAR DAY
-289		14 34	BRIGHT CLEAR DAY
-290		14 37	CLEAR DAY
-296		15 13	BEAUTIFUL
-297		15 25	
AA-103-299	01 OCT 80	7 0	BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-300		7 2	BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-301		7 3	BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-302		7 5	BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-303		7 7	BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-309		7 32	BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-310		7 33	BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-311		7 35	BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-312		7 36	BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-313		7 38	BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-319		7 59	BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-320		8 0	BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-321		8 1	BRIGHT CLEAR DAY
-322		8 3	BRIGHT CLEAR DAY
-323		8 8	BRIGHT CLEAR DAY

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-80B-081

PARAMETERS:
ALL DATA LISTED

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TEST NO.	DATE	START TIME HR-MN	AFAMRL METEOROLOGICAL DATA														STATION METEOROLOGICAL DATA						
			TEMP DEG C			REL HUM %	SPEED M/S				WIND AVG	DIRECTION DEG			VECTOR M/S		BAR PRESS M HG	TEMP DEG C	REL HUM %	WIND M/S	WIND DEG	WIND M/S
LOG-STA/ARRAY-EVENT			T3	T2	T1	RH	S1	S2	S3	S4	S1+2	D1	D2	AVD	WV		SBP	ST	SRH	SS	SD	SWV
AA-104-304	01 OCT 80	7 17	12.5	11.4	9.5	88	.2		.0		.2	126		126	-.1		.738	13	88	0		.0
-305		7 19	12.3	11.5	10.4	88	.5		.0		.5	128		128	-.1		.738	13	88	0		.0
-306		7 21	12.3	11.5	10.5	88	.0		.0		.0				.0		.738	13	88	0		.0
-307		7 22	12.2	11.2	9.9	88	.0		.0		.0				.0		.738	13	88	0		.0
-308		7 24	12.2	11.2	10.0	88	.3		.0		.3	126		126	-.1		.738	13	88	0		.0
-314		7 44	12.0	11.7	11.1	94	.8		.4		.8	131		131	-.1		.738	12	94	1	150	.2
-315		7 46	12.0	11.7	11.2	94	.8		.3		.8	133		133	-.1		.738	12	94	1	150	.2
-316		7 47	11.9	11.7	11.3	94	1.0		.5		1.0	135		135	-.1		.738	12	94	1	150	.2
-317		7 49	11.9	11.7	11.3	94	.9		.6		.9	130		130	-.1		.738	12	94	1	150	.2
-318		7 50	12.0	11.8	11.4	94	1.1		.7		1.1	127		127	-.2		.738	12	94	1	150	.2
-324		8 15	13.3	13.3	13.7	94	.7		.4		.7	132		132	-.1		.738	12	94	1	150	.2
-325		8 17	13.4	13.4	13.9	94	.7		.4		.7	119		119	-.2		.738	12	94	1	150	.2
-326		8 18	13.5	13.7	14.1	94	.4		.0		.4	128		128	-.1		.738	12	94	1	150	.2
-327		8 20	13.6	13.8	14.4	94	.4		.0		.4	115		115	-.2		.738	12	94	1	150	.2
-328		8 22	13.7	13.7	14.3	94	.7		.2		.7	127		127	-.1		.738	12	94	1	150	.2
-329		8 24	13.9	14.0	14.5	94	.4		.0		.4	141		141	.0		.738	12	94	1	150	.2
AA-105-330	16 DEC 80	7 29	-1.0	-1.1	-1.0	86	1.9	2.6	1.6	2.4	2.2	20	72	46	2.0		.735	-1	86	5	20	4.1
-331		7 31	-.8	-.8	-.8	80	2.7	2.0	2.3	1.8	2.4	16	82	49	2.0		.736	-1	80	4	10	3.2
-332		7 34	-1.0	-1.0	-1.0	80	2.8	2.5	2.5	2.2	2.6	27	52	39	2.5		.736	-1	80	4	10	3.2
-333		7 36	-.9	-1.0	-1.0	80	2.3	2.2	2.0	1.9	2.3	13	47	30	2.0		.736	-1	80	4	10	3.2
-334		7 39	-1.1	-1.1	-1.0	80	2.8	2.7	2.4	2.4	2.8	34	59	46	2.7		.736	-1	80	4	10	3.2
-335		7 41	-1.1	-1.1	-1.1	80	3.2	2.9	2.9	2.6	3.0	44	57	51	3.0		.736	-1	80	4	10	3.2
AA-106-336		7 51	-1.2	-1.2	-1.1	80	3.4	3.9	3.0	3.3	3.6	42	77	60	-3.4		.736	-1	80	4	10	-3.2
-337		7 53	-1.2	-1.2	-1.2	80	2.6	3.7	2.1	3.1	3.1	48	77	63	-2.9		.736	-1	80	4	10	-3.2
-338		7 56	-1.2	-1.2	-1.2	80	2.8	3.5	2.4	3.0	3.1	27	86	57	-2.7		.736	-1	80	4	10	-3.2
-339		8 7	-1.3	-1.3	-1.3	80	2.9	3.5	2.5	2.9	3.2	47	79	63	-2.9		.736	-1	80	4	10	-3.2
-340		8 9	-1.3	-1.3	-1.3	80	2.7	3.5	2.4	3.1	3.1	44	71	57	-3.0		.736	-1	80	4	10	-3.2
-341		8 11	-1.3	-1.3	-1.2	80	3.0	3.7	2.7	3.2	3.3	37	74	56	-3.1		.736	-1	80	4	10	-3.2

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
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TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-104-304	01 OCT 80	7 17	.7			0	0	2	7	0	0	0
-305		7 19	.4			0	0	2	7	0	0	0
-306		7 21	.4			0	0	2	7	0	0	0
-307		7 22	.5			0	0	2	7	0	0	0
-308		7 24	.5			0	0	2	7	0	0	0
-314		7 44	.2	-.1	.1	0	0	2	7	0	0	0
-315		7 46	.2	-.1	.1	0	0	2	7	0	0	0
-316		7 47	.1	.0	.1	0	0	2	7	0	0	0
-317		7 49	.1	-.1	.1	0	0	2	7	0	0	0
-318		7 50	.1	-.1	.0	0	0	2	7	0	0	0
-324		8 15	-.1	.0	-.2	0	0	2	7	0	0	0
-325		8 17	-.1	-.1	-.2	0	0	2	7	0	0	0
-326		8 18	-.1			0	0	2	7	0	0	0
-327		8 20	-.2			0	0	2	7	0	0	0
-328		8 22	-.2	-.1	-.3	0	0	2	7	0	0	0
-329		8 24	-.1			0	0	2	7	0	0	0
AA-105-330	16 DEC 80	7 29	.0	.4	.4	0	0	2	1	0	0	0
-331		7 31	.0	.4	.4	0	0	2	1	0	0	0
-332		7 34	.0	.4	.4	0	0	2	1	0	0	0
-333		7 36	.0	.5	.5	0	0	2	1	0	0	0
-334		7 39	.0	.6	.6	0	0	2	1	0	0	0
-335		7 41	.0	.5	.5	0	0	2	1	0	0	0
AA-106-336		7 51	.0	-.7	-.7	0	0	2	1	0	0	0
-337		7 53	.0	-.8	-.8	0	0	2	1	0	0	0
-338		7 56	.0	-.6	-.6	0	0	2	1	0	0	0
-339		8 7	.0	-.7	-.7	0	0	2	1	0	0	0
-340		8 9	.0	-.5	-.6	0	0	2	1	0	0	0
-341		8 11	.0	-.6	-.7	0	0	2	1	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
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LOG-STA/ARRAY-EVENT	TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-104-304		01 OCT 80	7 17	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-305			7 19	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-306			7 21	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-307			7 22	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-308			7 24	(BRIGHT,CLEAR OVERHEAD DAY WITH HEAVY PATCHES OF FOG CLOSE TO GROUND
-314			7 44	(BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-315			7 46	(BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-316			7 47	(BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-317			7 49	(BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-318			7 50	(BRIGHT , CLEAR OVERHEAD DAY WITH GROUND FOG DISSIPATING BETWEEN EVENTS 309-320
-324			8 15	(BRIGHT CLEAR DAY
-325			8 17	(BRIGHT CLEAR DAY
-326			8 18	(BRIGHT CLEAR DAY
-327			8 20	(BRIGHT CLEAR DAY
-328			8 22	(BRIGHT CLEAR DAY
-329			8 24	(BRIGHT CLEAR DAY
AA-105-330		16 DEC 80	7 29	(100% OVERCAST, LOW CLOUDS, NO FOG
-331			7 31	(100% OVERCAST, LOW CLOUDS, NO FOG
-332			7 34	(100% OVERCAST, LOW CLOUDS, NO FOG
-333			7 36	(100% OVERCAST, LOW CLOUDS, NO FOG
-334			7 39	(100% OVERCAST, LOW CLOUDS, NO FOG
-335			7 41	(100% OVERCAST, LOW CLOUDS, NO FOG
AA-106-336			7 51	(100% OVERCAST, LOW CLOUDS, NO FOG
-337			7 53	(100% OVERCAST, LOW CLOUDS, NO FOG
-338			7 56	(100% OVERCAST, LOW CLOUDS, NO FOG
-339			8 7	(100% OVERCAST, LOW CLOUDS, NO FOG
-340			8 9	(100% OVERCAST, LOW CLOUDS, NO FOG
-341			8 11	(100% OVERCAST, LOW CLOUDS, NO FOG

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

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AFAMRL METEOROLOGICAL DATA

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	TEMP DEG C			REL HUM %	WIND SPEED M/S					DIRECTION DEG			VECTOR M/S	STATION METEOROLOGICAL DATA: BAR PRESS M HG	TEMP DEG C	REL HUM %	WIND M/S	WIND DEG	WIND M/S
			T3	T2	T1	RH	S1	S2	S3	S4	AVG S1+2	D1	D2	AVD	WV	SBP	ST	SRH	SS	SD	SWV
AA-105-342	17 DEC 80	8 2	-7.6	-8.7	-10.6	79	.6	.0	.5	.0	.3	126		126	.1	.742	-8	79	0		.0
-343		8 8	-7.2	-8.0	-10.0	79	.6	.0	.0	.0	.3	123		123	.1	.742	-8	79	0		.0
-344		8 10	-7.1	-7.8	-10.0	79	.7	.0	.3	.0	.3	124		124	.1	.742	-8	79	0		.0
-345		8 12	-7.1	-7.5	-9.7	79	.8	.0	.7	.0	.4	126		126	.1	.742	-8	79	0		.0
-346		8 14	-7.1	-8.1	-9.4	79	.7	.0	.3	.0	.3	126		126	.1	.742	-8	79	0		.0
-354		13 13	-.6	.9	1.2	59	3.5		3.0		3.5	162		162	-1.4	.737	-1	59	4	180	-2.7
-355		13 17	-.5	.1	1.3	59	3.9		3.6		3.9	178		178	-2.5	.737	-1	59	4	180	-2.7
-356		13 18	.0	.3	2.0	59	3.3		2.9		3.3	168		168	-1.6	.737	-1	59	4	180	-2.7
-357		13 20	-.3	.1	1.6	59	2.9		2.6		2.9	158		158	-1.0	.737	-1	59	4	180	-2.7
-358		13 22	.0	1.0	2.1	59	3.9		3.6		3.9	195		195	-3.3	.737	-1	59	4	180	-2.7
-359		13 23	-.1	1.0	.9	59	3.3		3.2		3.3	188		188	-2.5	.737	-1	59	4	180	-2.7
AA-106-360		13 42	.4	1.6	2.5	55	2.9		2.6		2.9	189		189	2.2	.737	-1	55	5	210	4.9
-361		13 45	.5	2.2	2.7	55	3.4		3.2		3.4	196		196	2.9	.737	-1	55	5	210	4.9
-362		13 50	.1	2.7	2.8	55	3.7		3.3		3.7	172		172	2.0	.737	-1	55	5	210	4.9
-363		13 54	.2	1.9	2.3	55	3.7		3.3		3.7	166		166	1.7	.737	-1	55	5	210	4.9
-364		13 57	-.4	1.2	1.4	55	4.1		3.5		4.1	173		173	2.3	.737	-1	55	5	210	4.9
-365		14 1	1.1	2.3	2.9	55	3.1		2.8		3.1	184		184	2.2	.737	-1	55	5	210	4.9
-366		14 6	.7	2.6	3.1	55	4.0		3.2		4.0	169		169	2.0	.737	-1	55	5	210	4.9
AA-105-367	08 JAN 81	10 30	-11.3	-10.8	-10.3	41	1.0	1.2	1.0	1.2	1.1	133	126	130	.2	.745	-14	60	5	0	3.4
-368		10 31	-11.8	-10.7	-10.8	40	1.4	1.2		1.2	1.2	142	110	110	.6	.745	-13	61	2	40	2.0
-369		10 34	-11.8	-10.5	-10.7	41	1.5	1.0	1.2	1.2	1.3	129	142	135	.1	.745	-13	61	2	40	2.0
-370		10 35	-12.3	-10.9	-10.9	41	1.7	1.6	1.6	1.5	1.6	137	113	125	.4	.745	-13	61	2	40	2.0
-371		10 37	-12.2	-11.1	-11.0	42	1.8	1.3	1.7	1.2	1.6	140	108	124	.3	.745	-13	61	2	40	2.0
-372		10 39	-11.6	-10.4	-10.2	43	1.7	1.4	1.7	1.4	1.6	137	107	122	.4	.745	-13	61	2	40	2.0
-373		10 41	-12.2	-11.1	-11.0	43	2.1	1.6	1.9	1.4	1.8	138	126	132	.2	.745	-13	61	2	40	2.0
-374		10 43	-12.3	-11.4	-11.3	43	2.0	1.6	1.8	1.5	1.8	132	112	122	.5	.745	-13	61	2	40	2.0
-375		10 45	-11.7	-10.8	-10.6	43	2.2	1.4	2.0	1.4	1.8	131	87	109	.7	.745	-13	61	2	40	2.0
-376		10 46	-11.7	-10.1	-9.9	43	2.1	1.6	1.9	1.5	1.8	129	96	113	.7	.745	-13	61	2	40	2.0
-377		10 48	-10.5	-9.3	-9.2	42	1.6	1.4	1.6	1.3	1.5	127	128	128	.3	.745	-13	61	2	40	2.0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

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TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	AVE BETA	ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-105-342	17 DEC 80	8 2	.7	.0	.7	0	0	2	8	0	0	0
-343		8 8	.6			0	0	2	8	0	0	0
-344		8 10	.7	.2	.8	0	0	2	8	0	0	0
-345		8 12	.6	.0	.6	0	0	2	8	0	0	0
-346		8 14	.5	.1	.6	0	0	2	8	0	0	0
-354		13 13	-.4	-.3	-.7	0	0	2	0	0	0	0
-355		13 17	-.4	-.4	-.8	0	0	2	0	0	0	0
-356		13 18	-.5	-.3	-.8	0	0	2	0	0	0	0
-357		13 20	-.4	-.2	-.6	0	0	2	0	0	0	0
-358		13 22	-.4	-.4	-.9	0	0	2	0	0	0	0
-359		13 23	-.2	-.2	-.4	0	0	2	0	0	0	0
AA-106-360		13 42	-.4	.4	-.1	0	0	2	0	0	0	0
-361		13 45	-.4	.4	-.1	0	0	2	0	0	0	0
-362		13 50	-.5	.3	-.2	0	0	2	0	0	0	0
-363		13 54	-.4	.3	-.1	0	0	2	0	0	0	0
-364		13 57	-.4	.6	.2	0	0	2	0	0	0	0
-365		14 1	-.4	.3	.0	0	0	2	0	0	0	0
-366		14 6	-.5	.7	.2	0	0	2	0	0	0	0
AA-105-367	08 JAN 81	10 30	-.2	.0	-.2	0	8	2	5	0	0	0
-368		10 31	-.2	.0	-.2	0	8	2	5	0	0	0
-369		10 34	-.2	.1	-.1	0	8	2	5	0	0	0
-370		10 35	-.2	.0	-.3	0	8	2	5	0	0	0
-371		10 37	-.2	.0	-.2	0	8	2	5	0	0	0
-372		10 39	-.3	.0	-.3	0	8	2	5	0	0	0
-373		10 41	-.2	.0	-.2	0	8	2	5	0	0	0
-374		10 43	-.2	.1	-.1	0	8	2	5	0	0	0
-375		10 45	-.2	.0	-.2	0	8	2	5	0	0	0
-376		10 46	-.4	.0	-.3	0	8	2	5	0	0	0
-377		10 48	-.2	.0	-.2	0	8	2	5	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

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ALL DATA LISTED

DATABASE:

DATE 02 FEB 87

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-105-342	17 DEC 80	8 2	CLEAR DAY
-343		8 8	CLEAR DAY
-344		8 10	CLEAR DAY
-345		8 12	CLEAR DAY
-346		8 14	CLEAR DAY
-354		13 13	CLEAR
-355		13 17	CLEAR
-356		13 18	CLEAR
-357		13 20	CLEAR
-358		13 22	CLEAR
-359		13 23	CLEAR
AA-106-360		13 42	CLEAR
-361		13 45	CLEAR
-362		13 50	CLEAR
-363		13 54	CLEAR
-364		13 57	CLEAR
-365		14 1	CLEAR
-366		14 6	CLEAR
AA-105-367	08 JAN 81	10 30	LIGHT CRUST ON SNOW, CLEAR
-368		10 31	LIGHT CRUST ON SNOW, CLEAR
-369		10 34	LIGHT CRUST ON SNOW, CLEAR
-370		10 35	LIGHT CRUST ON SNOW, CLEAR
-371		10 37	LIGHT CRUST ON SNOW, CLEAR
-372		10 39	LIGHT CRUST ON SNOW, CLEAR
-373		10 41	LIGHT CRUST ON SNOW, CLEAR
-374		10 43	LIGHT CRUST ON SNOW, CLEAR
-375		10 45	LIGHT CRUST ON SNOW, CLEAR
-376		10 46	LIGHT CRUST ON SNOW, CLEAR
-377		10 48	LIGHT CRUST ON SNOW, CLEAR

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LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

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AFAMRL METEOROLOGICAL DATA

STATION METEOROLOGICAL DATA

TEST NO.	DATE	START TIME HR-MN	TEMP DEG C			REL HUM %	SPEED M/S				WIND AVG	DIRECTION DEG			VECTOR M/S	BAR PRESS M HG	TEMP DEG C	REL HUM %	WIND M/S	WIND DEG	WIND M/S
LOG-STA/ARRAY-EVENT			T3	T2	T1	RH	S1	S2	S3	S4	S1+2	D1	D2	AVD	WV	SBP	ST	SRH	SS	SD	SWV
AA-105-378	09 JAN 81	8 48	-16.1	-16.3	-16.0	50	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-379		8 50	-16.1	-16.1	-15.9	50	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-380		8 51	-15.5	-15.1	-14.4	50	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-381		8 52	-15.3	-14.8	-13.5	51	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-382		8 57	-16.9	-17.1	-17.0	52	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-383		8 58	-17.3	-17.3	-17.0	52	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-384		8 59	-17.4	-17.4	-17.2	52	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-385		9 1	-17.2	-17.3	-17.2	53	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-386		9 2	-17.4	-17.3	-17.2	53	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-387		9 3	-17.2	-17.3	-17.2	53	.0	.0	.0	.0	.0				.0	.742	-18	65	0		.0
-388		14 9	-6.2	-6.2	-6.1	52	3.0	1.6	2.8	1.4	2.3	299	293	296	-.9	.760	-8	67	3	290	-1.2
-389		14 12	-6.1	-6.2	-6.0	53	2.9	1.5	2.7	1.7	2.2	275	317	296	-1.1	.760	-8	67	3	290	-1.2
-390		14 14	-6.2	-6.1	-5.9	53	3.0	1.8	2.8	1.6	2.4	278	302	290	-1.2	.760	-8	67	3	290	-1.2
AA-106-391		14 38	-6.0	-6.0	-5.8	53	3.2	3.0	2.9	3.1	3.1	311	282	297	1.1	.760	-8	67	4	280	2.3
-392		14 42	-6.2	-6.3	-6.1	54	3.8	2.4	3.5	2.2	3.1	284	291	288	1.6	.760	-8	67	4	280	2.3
-393		14 44	-6.3	-6.3	-6.1	54	3.5	3.7	3.2	3.4	3.6	280	316	298	1.2	.760	-8	67	4	280	2.3
-394		14 45	-6.4	-6.3	-6.2	54	3.0	2.6	2.8	2.2	2.8	283	308	295	1.1	.760	-8	67	4	280	2.3
-395		14 47	-6.2	-6.2	-6.1	54	2.6	2.4	2.2	2.1	2.5	293	302	298	.9	.760	-8	67	4	280	2.3
-396		14 49	-5.9	-5.9	-5.8	55	2.7	2.7	2.6	2.6	2.7	281	291	286	1.5	.760	-8	67	4	280	2.3
-397		14 50	-6.1	-6.1	-6.0	54	3.0	2.9	2.8	2.8	3.0	270	311	291	1.3	.760	-8	67	4	280	2.3
-398		14 52	-6.1	-6.2	-6.1	54	3.1	2.4	2.9	2.2	2.7	276	301	288	1.4	.760	-8	67	4	280	2.3
AA-105-399	13 JAN 81	8 7	-5.9	-6.0	-5.9	53	2.5	2.4	2.3		2.5	181	194	181	-1.7	.737	-7	67	4	200	-3.2
-400		8 11	-5.9	-5.9	-5.8	53	2.9	2.6	2.6		2.9	180	191	180	-1.9	.737	-7	67	4	200	-3.2
-401		8 13	-5.9	-5.9	-5.8	51	3.4	2.6	3.0		3.4	178	196	178	-2.1	.737	-7	67	4	200	-3.2
-402		8 14	-5.8	-5.9	-5.8	50	2.6		2.4		2.6	179		179	-1.7	.737	-7	67	4	200	-3.2
-407		8 35	-5.6	-5.7	-5.6	50	3.1		2.8		3.1	184		184	-2.2	.737	-7	67	4	190	-2.8
-408		8 37	-5.6	-5.6	-5.6	52	3.3		2.9		3.3	180		180	-2.1	.737	-7	67	4	190	-2.8
-409		8 38	-5.6	-5.6	-5.6	52	3.9		3.5		3.9	177		177	-2.4	.737	-7	67	4	190	-2.8
-413		13 7	-1.5	-1.4	-1.2	43	3.5	3.1	3.4	3.2	3.3	199	193	196	-2.7	.735	-4	58	5	210	-4.4
-414		13 11	-1.3	-1.1	-.9	44	2.9	3.8	2.8	3.8	3.3	202	196	199	-2.9	.735	-4	58	5	210	-4.4
-415		13 14	-1.4	-1.0	-1.0	47	3.9	3.4	3.6	3.3	3.6	189	201	195	-3.0	.735	-4	58	5	210	-4.4
-416		13 16	-1.4	-1.1	-1.0	43	3.8	2.6	3.5	2.7	3.2	190	192	191	-2.5	.735	-4	58	5	210	-4.4
-417		13 18	-1.5	-1.3	-1.2	44	3.5	2.7	3.4	2.6	3.1	198	182	190	-2.4	.735	-4	58	5	210	-4.4

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LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

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ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
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TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-105-378	09 JAN 81	8 48	-.1			0	8	2	5	0	0	0
-379		8 50	-.1			0	8	2	5	0	0	0
-380		8 51	-.2			0	8	2	5	0	0	0
-381		8 52	-.4			0	8	2	5	0	0	0
-382		8 57	.0			0	8	2	5	0	0	0
-383		8 58	-.1			0	8	2	5	0	0	0
-384		8 59	-.1			0	8	2	5	0	0	0
-385		9 1	.0			0	8	2	5	0	0	0
-386		9 2	-.1			0	8	2	5	0	0	0
-387		9 3	.0			0	8	2	5	0	0	0
-388		14 9	-.1	-.1	-.1	0	8	2	5	0	0	0
-389		14 12	.0	-.3	-.3	0	8	2	5	0	0	0
-390		14 14	-.1	-.2	-.2	0	8	2	5	0	0	0
AA-106-391		14 38	-.1	.1	.0	0	8	2	5	0	0	0
-392		14 42	-.1	.2	.2	0	8	2	5	0	0	0
-393		14 44	-.1	.2	.1	0	8	2	5	0	0	0
-394		14 45	-.1	.2	.1	0	8	2	5	0	0	0
-395		14 47	.0	.2	.2	0	8	2	5	0	0	0
-396		14 49	.0	.1	.1	0	8	2	5	0	0	0
-397		14 50	-.1	.1	.1	0	8	2	5	0	0	0
-398		14 52	.0	.2	.2	0	8	2	5	0	0	0
AA-105-399	13 JAN 81	8 7	.0	-.3	-.3	?	0	2	5	0	0	0
-400		8 11	.0	-.3	-.3	?	0	2	5	0	0	0
-401		8 13	.0	-.4	-.4	?	0	2	5	0	0	0
-402		8 14	.0	-.2	-.2	?	0	2	5	0	0	0
-407		8 35	.0	-.3	-.3	0	0	2	5	0	0	0
-408		8 37	.0	-.4	-.4	0	0	2	5	0	0	0
-409		8 38	.0	-.4	-.5	0	0	2	5	0	0	0
-413		13 7	-.1	-.1	-.1	0	0	2	5	0	0	0
-414		13 11	-.1	-.1	-.2	0	0	2	5	0	0	0
-415		13 14	-.1	-.2	-.3	0	0	2	5	0	0	0
-416		13 16	-.1	-.4	-.4	0	0	2	5	0	0	0
-417		13 18	-.1	-.1	-.2	0	0	2	5	0	0	0

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LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

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ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
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LOG-STA/ARRAY-EVENT	TEST NO.	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-105-378		09 JAN 81	8 48	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-379			8 50	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-380			8 51	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-381			8 52	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-382			8 57	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-383			8 58	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-384			8 59	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-385			9 1	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-386			9 2	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-387			9 3	(LIGHT CRUST ON SNOW, CLEAR SKIES EXCEPT FOR HAZY CONDITIONS AT LOW ANGLES
-388			14 9	(LIGHT CRUST ON SNOW, CLEAR
-389			14 12	(LIGHT CRUST ON SNOW, CLEAR
-390			14 14	(LIGHT CRUST ON SNOW, CLEAR
AA-106-391			14 38	(LIGHT CRUST ON SNOW, CLEAR
-392			14 42	(LIGHT CRUST ON SNOW, CLEAR
-393			14 44	(LIGHT CRUST ON SNOW, CLEAR
-394			14 45	(LIGHT CRUST ON SNOW, CLEAR
-395			14 47	(LIGHT CRUST ON SNOW, CLEAR
-396			14 49	(LIGHT CRUST ON SNOW, CLEAR
-397			14 50	(LIGHT CRUST ON SNOW, CLEAR
-398			14 52	(LIGHT CRUST ON SNOW, CLEAR
AA-105-399		13 JAN 81	8 7	(100% OVERCAST
-400			8 11	(100% OVERCAST
-401			8 13	(100% OVERCAST
-402			8 14	(100% OVERCAST
-407			8 35	(100% OVERCAST
-408			8 37	(100% OVERCAST
-409			8 38	(100% OVERCAST
-413			13 7	(100% OVERCAST
-414			13 11	(100% OVERCAST
-415			13 14	(100% OVERCAST
-416			13 16	(100% OVERCAST
-417			13 18	(100% OVERCAST

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DATE 02 FEB 87
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TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	AFAMRL METEOROLOGICAL DATA: TEMP DEG C T3	T2	T1	REL HUM % RH	SPEED M/S S1	S2	S3	S4	WIND SPEED AVG S1+2	DIRECTION DEG D1	D2	AVD	VECTOR M/S WU	STATION METEOROLOGICAL DATA: BAR PRESS M HG SBP	TEMP DEG C ST	REL HUM % SRH	WIND M/S SS	DEG SD	M/S SWU
AA-106-403	13 JAN 81	0 23	-5.7	-5.8	-5.7	48	3.4		3.1		3.4	186		186	2.5	.737	-7	67	4	200	3.2
-405		0 26	-5.7	-5.7	-5.6	49	3.4		3.2		3.4	180		180	2.3	.737	-7	67	4	200	3.2
-406		0 27	-5.7	-5.7	-5.6	48	3.5		3.2		3.5	182		182	2.4	.737	-7	67	4	200	3.2
-410		0 45	-5.5	-5.4	-5.4	49	3.3		2.9		3.3	177		177	2.0	.737	-7	67	4	190	2.8
-411		0 47	-5.4	-5.4	-5.4	49	3.3		3.0		3.3	176		176	2.0	.737	-7	67	4	190	2.8
-412		0 50	-5.4	-5.4	-5.3	49	3.4		3.0		3.4	176		176	2.0	.737	-7	67	4	190	2.8
-418		13 31	-1.1	-.7	-.7	39	3.3	2.8	3.0	2.8	3.0	193	190	192	2.4	.735	-4	58	3	200	2.7
-419		13 35	-1.4	-.8	-.7	43	3.4	2.7	3.1	2.7	3.1	188	191	189	2.4	.735	-4	58	3	200	2.7
-420		13 37	-1.3	-.8	-.8	40	2.8	2.4	2.6	2.5	2.6	187	199	193	2.1	.735	-4	58	3	200	2.7
-421		13 39	-1.2	-.5	-.6	42	2.8	2.6	2.7	2.6	2.7	192	194	193	2.2	.735	-4	58	3	200	2.7
-422		13 40	-1.3	-1.0	-1.0	41	3.3	2.9	3.1	2.7	3.1	195	185	190	2.4	.735	-4	58	3	200	2.7
-423		13 42	-1.2	-1.1	-1.0	40	2.9	2.9	2.7	2.8	2.9	196	179	188	2.2	.735	-4	58	3	200	2.7
AA-105-424	15 JAN 81	0 19	-4.5	-4.6	-4.3	67	1.1	.2	1.1		1.1	303	302	303	-.3	.740	-6	86	1	290	-.5
-425		0 21	-4.5	-4.5	-4.4	67	1.0	1.2	.9		1.1	320	294	307	-.2	.740	-6	86	1	290	-.5
-426		0 22	-4.4	-4.5	-4.4	67	1.1	.7	.9		.9	318	292	305	-.2	.740	-6	86	1	290	-.5
-427		0 23	-4.5	-4.5	-4.4	68	1.2	.6	1.0		.9	318	326	322	.0	.740	-6	86	1	290	-.5
-428		0 25	-4.4	-4.4	-4.3	67	1.2	.3	1.0		.7	312	337	324	.0	.740	-6	86	1	290	-.5
AA-106-429		0 33	-4.5	-4.5	-4.4	69	1.0	.4	.8		1.0	316	313	316	.1	.740	-6	86	3	280	1.6
-430		0 34	-4.5	-4.5	-4.4	69	1.4	.5	1.2		1.4	303	316	303	.4	.740	-6	86	2	280	1.3
-431		0 36	-4.4	-4.4	-4.3	69	1.2	1.0	1.2		1.1	289	322	306	.3	.740	-6	86	2	280	1.3
-432		0 37	-4.4	-4.4	-4.3	69	.8	.1	.7		.8	309	299	309	.2	.740	-6	86	2	280	1.3
-433		0 39	-4.4	-4.3	-4.2	69	1.4	.2	1.1		1.4	316	282	316	.1	.740	-6	86	2	280	1.3
AA-105-434	03 FEB 81	9 16	-14.5	-14.2	-13.9	34	5.2	6.1	4.8		5.7	262	242	252	-5.1	.745	-15	71	5	250	-4.8
-435		9 26	-14.4	-14.3	-14.5	34	4.7	6.1	4.5		5.4	266	244	255	-4.8	.745	-15	71	5	250	-4.8
-436		9 28	-14.7	-14.4	-14.1	35	6.3	4.8	5.7		5.5	249	255	252	-5.1	.745	-15	71	5	250	-4.8
-437		9 29	-14.4	-14.0	-13.7	35	5.2	6.1	4.8		5.7	247	252	250	-5.3	.745	-15	71	5	250	-4.8
AA-106-438		9 38	-14.5	-14.2	-13.8	34	7.2	4.8	6.4		6.0	220	250	235	5.8	.746	-14	72	6	260	5.3
-439		9 43	-14.3	-14.0	-13.7	34	5.7	5.4	5.1		5.6	225	234	230	5.5	.746	-14	72	6	260	5.3
-440		9 48	-14.1	-13.7	-13.3	35	5.9	3.8	5.3		4.8	240	250	245	4.6	.746	-14	72	6	260	5.3

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 18.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE 813

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S: AVE ALPHA	AVE BETA	ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-106-403	13 JAN 81	8 23	.0	.4	.4	7	0	2	5	0	0	0
-405		8 26	.0	.3	.3	0	0	2	5	0	0	0
-406		8 27	.0	.4	.4	0	0	2	5	0	0	0
-410		8 45	.0	.4	.4	0	0	2	5	0	0	0
-411		8 47	.0	.3	.3	0	0	2	5	0	0	0
-412		8 50	.0	.4	.3	0	0	2	5	0	0	0
-418		13 31	-.1	.2	.1	0	0	2	5	0	0	0
-419		13 35	-.1	.2	.1	0	0	2	5	0	0	0
-420		13 37	-.1	.3	.2	0	0	2	5	0	0	0
-421		13 39	-.1	.2	.1	0	0	2	5	0	0	0
-422		13 40	-.1	.2	.2	0	0	2	5	0	0	0
-423		13 42	-.1	.2	.1	0	0	2	5	0	0	0
AA-105-424	15 JAN 81	8 19	-.1	.0	-.1	0	0	2	4	0	0	0
-425		8 21	.0	.0	.0	0	0	2	4	0	0	0
-426		8 22	.0	.0	.0	0	0	2	4	0	0	0
-427		8 23	.0	.0	.0	0	0	2	4	0	0	0
-428		8 25	.0	.0	-.1	0	0	2	4	0	0	0
AA-106-429		8 33	.0	.0	.0	0	0	2	4	0	0	0
-430		8 34	.0	.1	.1	0	0	2	4	0	0	0
-431		8 36	.0	.0	.0	0	0	2	4	0	0	0
-432		8 37	-.1	.0	.0	0	0	2	4	0	0	0
-433		8 39	-.1	.0	.0	0	0	2	4	0	0	0
AA-105-434	03 FEB 81	9 16	-.1	-.6	-.8	0	8	2	3	0	0	0
-435		9 26	.0	-.4	-.3	0	8	2	3	0	0	0
-436		9 28	-.1	-1.0	-1.1	0	8	2	3	0	0	0
-437		9 29	-.1	-.8	-.9	0	8	2	3	0	0	0
AA-106-438		9 38	-.2	1.4	1.2	0	8	2	3	0	0	0
-439		9 43	-.1	1.1	.9	0	8	2	3	0	0	0
-440		9 48	-.2	1.0	.8	0	8	2	3	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE C13

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-106-403	13 JAN 81	8 23	(100% OVERCAST
-405		8 26	(100% OVERCAST
-406		8 27	(100% OVERCAST
-410		8 45	(100% OVERCAST
-411		8 47	(100% OVERCAST
-412		8 50	(100% OVERCAST
-418		13 31	(100% OVERCAST
-419		13 35	(100% OVERCAST
-420		13 37	(100% OVERCAST
-421		13 39	(100% OVERCAST
-422		13 40	(100% OVERCAST
-423		13 42	(100% OVERCAST
AA-105-424	15 JAN 81	8 19	(100% OVERCAST,WET SNOW, VERY HAZY
-425		8 21	(100% OVERCAST,WET SNOW, VERY HAZY
-426		8 22	(100% OVERCAST,WET SNOW, VERY HAZY
-427		8 23	(100% OVERCAST,WET SNOW, VERY HAZY
-428		8 25	(100% OVERCAST,WET SNOW, VERY HAZY
AA-106-429		8 33	(100% OVERCAST,WET SNOW, VERY HAZY
-430		8 34	(100% OVERCAST,WET SNOW, VERY HAZY
-431		8 36	(100% OVERCAST,WET SNOW, VERY HAZY
-432		8 37	(100% OVERCAST,WET SNOW, VERY HAZY
-433		8 39	(100% OVERCAST,WET SNOW, VERY HAZY
AA-105-434	03 FEB 81	9 16	(HAZY,WINDBLOWN ICE & SNOW, 50% OVERCAST
-435		9 26	(HAZY, WINDBLOWN ICE & SNOW, 50% OVERCAST
-436		9 28	(HAZY,WINDBLOWN ICE & SNOW, 50% OVERCAST
-437		9 29	(HAZY,WINDBLOWN ICE & SNOW, 50% OVERCAST
AA-106-438		9 38	(HAZY,WINDBLOWN ICE & SNOW, 50% OVERCAST
-439		9 43	(HAZY,WINDBLOWN ICE & SNOW, 50% OVERCAST
-440		9 48	(HAZY,WINDBLOWN ICE & SNOW, 50% OVERCAST

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A14

AFAMRL METEOROLOGICAL DATA

STATION METEOROLOGICAL DATA

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	TEMP DEG C			REL HUM %	SPEED M/S				WIND SPEED AVG S1+2	DIRECTION DEG			VECTOR M/S	BAR PRESS M HG	TEMP DEG C	REL HUM %	WIND SPEED M/S	WIND DIR DEG	WIND SD M/S
			T3	T2	T1	RH	S1	S2	S3	S4		D1	D2	AUD	WV	SBP	ST	SRH	SS	SD	SWV
AA-105-441	04 FEB 81	8 22	-12.4	-12.4	-12.4	39	4.9	4.3	4.4	3.9	4.6	247	249	248	-4.3	.744	-14	78	4	250	-3.8
-442		8 23	-12.4	-12.4	-12.3	39	4.3	4.5	4.0	4.1	4.4	246	255	250	-4.1	.744	-14	78	4	250	-3.8
-443		8 27	-12.2	-12.1	-12.1	39	4.0	4.2	3.6	3.7	4.1	251	257	254	-3.7	.744	-14	78	4	250	-3.8
-444		8 28	-12.2	-12.1	-12.3	39	4.5	3.6	4.0	3.2	4.1	251	265	258	-3.6	.744	-14	78	4	250	-3.8
-445		8 30	-12.0	-12.0	-12.0	40	3.9	4.5	3.5	4.0	4.2	258	261	259	-3.6	.744	-13	72	6	250	-5.8
AA-106-446		8 38	-12.0	-11.8	-11.8	40	4.7	4.6	4.4	3.9	4.7	253	265	259	4.0	.744	-13	72	6	250	5.8
-447		8 40	-11.9	-11.8	-11.7	40	5.1	4.9	4.6	4.0	5.0	242	253	248	4.7	.744	-13	72	6	250	5.8
-448		8 41	-12.0	-11.8	-11.6	40	5.1	4.5	4.5	3.8	4.8	239	260	250	4.5	.744	-13	72	6	250	5.8
-449		8 43	-11.7	-11.6	-11.5	40	5.6	5.1	5.0	4.7	5.3	258	263	260	4.5	.744	-13	72	6	250	5.8
AA-105-450	12 FEB 81	13 10	-10.3	-9.5	-7.9	23	1.8	1.6	1.6	1.5	1.7	224	183	204	-1.5	.761	-14	51	3	190	-2.0
-451		13 12	-10.0	-8.5	-6.7	26	2.2	2.2	2.0	2.1	2.2	182	184	183	-1.5	.761	-14	51	3	190	-2.0
-452		13 29	-9.2	-8.1	-7.6	26	1.5	1.5	1.3	1.4	1.5	184	198	191	-1.2	.761	-14	51	3	190	-2.0
-453		13 32	-9.4	-8.4	-7.8	26	2.1	2.0	2.0	1.8	2.1	211	152	182	-1.2	.761	-12	43	2	220	-2.0
-454		13 48	-9.1	-8.0	-6.6	30	2.5	3.5	2.4	3.1	3.0	202	202	202	-2.7	.761	-12	43	2	220	-2.0
AA-106-455		13 56	-9.3	-8.2	-6.9	37	2.6	1.5	2.3	1.4	2.0	178	177	177	1.3	.761	-12	43	2	220	2.0
-456		13 58	-9.6	-8.2	-7.2	42	2.2	2.6	1.9	2.4	2.4	152	194	173	1.3	.761	-12	43	2	220	2.0
-457		14 1	-9.2	-6.3	-5.6	33	2.7	1.5	2.5	1.3	2.1	183	207	195	1.6	.761	-12	43	2	220	2.0
-458		14 6	-9.2	-7.5	-6.8	41	1.9	1.9	1.8	1.9	1.9	174	187	180	1.3	.761	-12	43	2	220	2.0
AA-105-469	25 FEB 81	12 59	8.0	8.9	10.1	42	2.7	1.3	2.6	1.2	2.0	5	334	349	1.2	.742	7	53	2	350	1.1
-470		13 1	7.8	8.6	10.2	42	1.8	3.0	1.7	2.8	2.4	25	359	12	1.8	.742	7	53	2	350	1.1
-471		13 2	8.0	9.0	10.2	42	2.8	2.1	2.6	2.1	2.4	3	3	3	1.7	.742	7	53	2	350	1.1
-472		13 4	8.0	9.0	10.2	42	2.7	1.9	2.3	1.7	2.3	6	34	20	1.9	.742	7	53	2	350	1.1
-473		13 5	8.2	9.1	10.7	42	2.4	3.3	2.0	3.2	2.8	335	12	353	1.6	.742	7	53	2	350	1.1
AA-106-464		8 33	3.6	3.6	4.0	50	2.4	2.3	2.2	2.2	2.3	4	25	14	-1.9	.742	3	75	4	340	-1.3
-465		8 34	3.7	3.7	4.1	51	1.9	2.0	1.7	2.0	2.0	2	6	4	-1.4	.742	3	75	4	340	-1.3
-466		8 36	3.7	3.8	4.4	52	2.5	2.3	2.2	2.2	2.4	4	356	360	-1.6	.742	3	75	4	340	-1.3
-467		8 37	3.6	3.7	4.1	52	2.5	2.4	2.2	2.1	2.5	14	358	6	-1.8	.742	3	75	4	340	-1.3
-468		8 39	3.5	3.5	4.1	52	2.9	2.6	2.5	2.5	2.8	21	9	15	-2.3	.742	3	75	4	340	-1.3
-474		13 16	9.2	10.5	11.5	42	1.5	2.0	1.5	1.9	1.7	349	347	348	-.9	.742	7	53	2	350	-1.1
-475		13 18	8.0	8.7	10.2	41	1.8	1.1	1.6	1.0	1.5	15	276	326	-.4	.742	7	53	2	350	-1.1
-476		13 19	8.3	7.8	11.1	41	2.5	1.0	2.1	1.0	1.8	319	230	274	.5	.742	7	53	2	350	-1.1
-477		13 26	9.4	9.9	11.7	42	2.3	2.4	2.1	1.0	2.4	350	23	7	-1.7	.742	7	53	2	350	-1.1
-478		13 29	9.1	10.3	11.6	42	1.3	2.7	1.3	2.6	2.0	290	26	338	-.9	.742	7	53	2	350	-1.1

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE B14

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	BLDG/OBSTACLES (ARRAY AVERAGE): AVE HT (M)	BLDG/OBSTACLES (ARRAY AVERAGE): MAX HT (M)
AA-105-441	04 FEB 81	8 22	.0	-.7	-.7	0	8	2	3	0	0	0
-442		8 23	.0	-.6	-.6	0	8	2	3	0	0	0
-443		8 27	.0	-.7	-.7	0	8	2	3	0	0	0
-444		8 28	.1	-.7	-.6	0	8	2	3	0	0	0
-445		8 30	.0	-.6	-.6	0	8	2	3	0	0	0
AA-106-446		8 38	-.1	.7	.7	0	8	2	3	0	0	0
-447		8 40	-.1	1.1	1.1	0	8	2	3	0	0	0
-448		8 41	-.1	1.0	.9	0	8	2	3	0	0	0
-449		8 43	-.1	.6	.6	0	8	2	3	0	0	0
AA-105-450	12 FEB 81	13 10	-.5	-.2	-.7	0	8	2	3	0	0	0
-451		13 12	-.7	-.1	-.9	0	8	2	3	0	0	0
-452		13 29	-.3	-.2	-.5	0	8	2	3	0	0	0
-453		13 32	-.4	-.1	-.5	0	8	2	3	0	0	0
-454		13 48	-.5	-.3	-.9	0	8	2	3	0	0	0
AA-106-455		13 56	-.5	.2	-.3	0	8	2	3	0	0	0
-456		13 58	-.5	.2	-.4	0	8	2	3	0	0	0
-457		14 1	-.7	.2	-.5	0	8	2	3	0	0	0
-458		14 6	-.5	.1	-.4	0	8	2	3	0	0	0
AA-105-469	25 FEB 81	12 59	-.5	.1	-.4	0	0	2	0	0	0	0
-470		13 1	-.5	.1	-.4	0	0	2	0	0	0	0
-471		13 2	-.5	.2	-.3	0	0	2	0	0	0	0
-472		13 4	-.5	.4	-.1	0	0	2	0	0	0	0
-473		13 5	-.5	.2	-.4	0	0	2	0	0	0	0
AA-106-464		8 33	-.1	-.2	-.2	0	0	2	8	0	0	0
-465		8 34	-.1	-.1	-.2	0	0	2	8	0	0	0
-466		8 36	-.2	-.2	-.4	0	0	2	8	0	0	0
-467		8 37	-.1	-.3	-.4	0	0	2	8	0	0	0
-468		8 39	-.2	-.4	-.5	0	0	2	8	0	0	0
-474		13 16	-.5	-.1	-.6	0	0	2	0	0	0	0
-475		13 18	-.5	-.1	-.5	0	0	2	0	0	0	0
-476		13 19	-.7	.0	-.7	0	0	2	0	0	0	0
-477		13 26	-.5	-1.3	-1.8	0	0	2	0	0	0	0
-478		13 29	-.5	-.1	-.6	0	0	2	0	0	0	0

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE C14

TEST NO. LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-105-441	04 FEB 81	8 22	BRIGHT, SUNNY, CLEAR DAY
-442		8 23	BRIGHT, SUNNY, CLEAR DAY
-443		8 27	BRIGHT, SUNNY, CLEAR DAY
-444		8 28	BRIGHT, SUNNY, CLEAR DAY
-445		8 30	BRIGHT, SUNNY, CLEAR DAY
AA-106-446		8 38	BRIGHT, SUNNY, CLEAR DAY
-447		8 40	BRIGHT, SUNNY, CLEAR DAY
-448		8 41	BRIGHT, SUNNY, CLEAR DAY
-449		8 43	BRIGHT, SUNNY, CLEAR DAY
AA-105-450	12 FEB 81	13 10	CLEAR
-451		13 12	CLEAR
-452		13 29	CLEAR
-453		13 32	CLEAR
-454		13 48	CLEAR
AA-106-455		13 56	CLEAR
-456		13 58	CLEAR
-457		14 1	CLEAR
-458		14 6	CLEAR
AA-105-469	25 FEB 81	12 59	90% CLEAR
-470		13 1	90% CLEAR
-471		13 2	90% CLEAR
-472		13 4	90% CLEAR
-473		13 5	90% CLEAR
AA-106-464		8 33	100% CLEAR, LIGHT FROST
-465		8 34	100% CLEAR, LIGHT FROST
-466		8 36	100% CLEAR, LIGHT FROST
-467		8 37	100% CLEAR, LIGHT FROST
-468		8 39	100% CLEAR, LIGHT FROST
-474		13 16	90% CLEAR
-475		13 18	90% CLEAR
-476		13 19	90% CLEAR
-477		13 26	90% CLEAR
-478		13 29	90% CLEAR

TABLE: METEOROLOGICAL DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE A15

AFAMRL METEOROLOGICAL DATA

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	TEMP DEG C T3	TEMP DEG C T2	TEMP DEG C T1	REL HUM % RH	WIND SPEED M/S S1	S2	S3	S4	AVG S1+2	WIND DIRECTION DEG D1	D2	AVD	VECTOR M/S WV	STATION METEOROLOGICAL DATA BAR PRESS M HG SBP	TEMP DEG C ST	REL HUM % SRH	WIND M/S SS	WIND DEG SD	WIND M/S SWV
AA-105-479	27 FEB 81	7 15	-2.3	-3.7	-4.9	86	1.3	1.3	.9	.9	1.3	123	60	91	.8	.748	-2	86	2	100	1.0
-480		7 17	-2.3	-3.6	-4.8	86	1.1	1.1	.8	.8	1.1	115	55	85	.8	.748	-2	86	2	100	1.0
-481		7 18	-2.4	-3.8	-5.0	86	1.4	1.3	1.0	.9	1.4	116	62	89	.9	.748	-2	86	2	100	1.0
-482		7 20	-2.3	-3.7	-4.8	86	1.3	1.3	1.0	.9	1.3	113	59	86	.9	.748	-2	86	2	100	1.0
-483		7 21	-2.2	-3.9	-4.8	86	1.3	1.3	.9	1.0	1.3	112	59	85	.9	.748	-2	86	2	100	1.0
-489		7 43	-2.0	-2.9	-2.9	86	1.5	1.7	1.3	1.4	1.6	100	43	71	1.3	.748	-2	86	2	80	1.8
-490		7 45	-1.8	-2.7	-2.6	86	1.5	1.3	1.3	1.1	1.4	91	39	65	1.2	.748	-2	86	2	80	1.8
AA-106-485		7 29	-2.0	-3.4	-4.1	86	1.4	1.3	1.0	1.0	1.3	118	61	90	-.9	.748	-2	86	2	100	-1.0
-486		7 31	-2.0	-3.3	-4.2	86	1.4	1.3	1.0	.9	1.3	113	63	88	-.9	.748	-2	86	2	80	-1.8
-487		7 32	-1.9	-3.6	-4.1	86	1.3	1.3	1.0	1.1	1.3	100	59	79	-1.1	.748	-2	86	2	80	-1.8
-488		7 34	-2.0	-3.6	-4.0	86	1.5	1.4	1.1	1.2	1.4	100	57	78	-1.2	.748	-2	86	2	80	-1.8
-491		7 51	-1.6	-1.8	-1.6	86	1.9	1.9	1.5	1.6	1.9	107	60	84	-1.4	.748	-2	86	2	80	-1.8
-492		7 53	-1.5	-1.6	-1.4	86	2.0	1.5	1.8	1.2	1.8	109	58	83	-1.3	.748	-2	86	2	80	-1.8
METEOROLOGICAL STATISTICS:																					
MINIMUM			-17.4	-17.4	-17.2	23	.0	.0	.0	.0	.0	0	3	0	-6.1	.719	-18	27	0	0	-8.2
MAXIMUM			31.4	32.4	34.4	100	7.2	6.7	6.4	4.7	6.3	360	359	360	5.8	.761	31	100	9	360	8.2
AVERAGE			7.4	7.5	7.8	71	2.2	2.4	1.7	1.9	2.2	151	243	134	-.1	.742	7	72	2	256	.1
STANDARD DEVIATION			11.8	11.9	12.2	20	1.5	1.6	1.4	1.2	1.5	99	100	98	2.1	.006	12	17	2	90	2.6
NUMBER OF DATA POINTS			415	415	415	415	404	165	308	106	404	362	150	362	415	415	415	415	415	304	415

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87
PAGE 315

TEST NO. / LOG-STA/ARRAY-EVENT	DATE	START TIME HR-MN	GRADIENTS M/S AVE ALPHA	GRADIENTS M/S AVE BETA	GRADIENTS M/S ALPHA + BETA	GENERAL CONDITIONS: PRECIPITATION	GROUND CONDITIONS: SURFACE	GROUND COVER: VEGETATION	GROUND COVER: MOISTURE	BLDG/OBSTACLES (ARRAY AVERAGE): NUMBER	AVE HT (M)	MAX HT (M)
AA-105-479	27 FEB 81	7 15	.5	.4	.9	0	0	2	7	0	0	0
-480		7 17	.5	.4	.9	0	0	2	7	0	0	0
-481		7 18	.5	.5	1.0	0	0	2	7	0	0	0
-482		7 20	.5	.4	1.0	0	0	2	7	0	0	0
-483		7 21	.5	.5	1.0	0	0	2	7	0	0	0
-489		7 43	.2	.4	.6	0	0	2	7	0	0	0
-490		7 45	.1	.3	.4	0	0	2	7	0	0	0
AA-106-485		7 29	.4	-.3	.1	0	0	2	7	0	0	0
-486		7 31	.4	-.4	.0	0	0	2	7	0	0	0
-487		7 32	.4	-.4	.0	0	0	2	7	0	0	0
-488		7 34	.4	-.4	.0	0	0	2	7	0	0	0
-491		7 51	.0	-.4	-.4	0	0	2	7	0	0	0
-492		7 53	.0	-.3	-.4	0	0	2	7	0	0	0
METEOROLOGICAL STATISTICS:												
MINIMUM			-.9	-1.4	-1.8							
MAXIMUM			.7	1.8	1.9							
AVERAGE			-.1	.0	-.1							
STANDARD DEVIATION			.3	.5	.6							
NUMBER OF DATA POINTS			415	250	250							

TABLE: METEOROLOGICAL AND OTHER SIGNIFICANT DATA
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DATE 02 FEB 87

LOG-STA/ARRAY-EVENT	TEST NO. DATE	START TIME HR-MN	METEOROLOGICAL COMMENT
AA-105-479	27 FEB 81	7 15	50% CLOUD COVER
-480		7 17	50% CLOUD COVER
-481		7 18	50% CLOUD COVER
-482		7 20	50% CLOUD COVER
-483		7 21	50% CLOUD COVER
-489		7 43	20% CLOUD COVER
-490		7 45	20% CLOUD COVER
AA-106-485		7 29	40% CLOUD COVER
-486		7 31	40% CLOUD COVER
-487		7 32	40% CLOUD COVER
-488		7 34	20% CLOUD COVER
-491		7 51	20% CLOUD COVER
-492		7 53	20% CLOUD COVER

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
ONEOA 13.1
TEST AA-302-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE D1

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-034	29 NOV 79	11 1	-.6	-.9	-.8	-.8	.5	-.6	.3	.9	1.7	3.1	4.9	6.9	9.7	11.8	20.6
AA-101-036	06 DEC 79	11 14	1.1	.3	.2	.1	.4	-.3	.0	.9	1.8	4.7	10.9	19.6	15.8	12.4	28.6
-037		15 15	1.1	.5	.2	.5	.9	-.3	.5	1.1	1.6	2.9	4.9	9.4	12.4	12.6	30.4
AA-101-038	12 DEC 79	10 50	2.1	2.0	1.9	2.6	2.8	2.4	3.1	3.8	4.7	6.6	8.3	11.2	15.1	17.7	32.2
-039		11 18	.2	-.2	.2	-.5	-.2	-.2	.2	-1.2	-.4	3.7	10.0	16.2	13.7	10.1	30.4
-040		13 10	1.5	1.2	.7	.9	.9	-.1	.5	1.1	2.1	6.2	14.0	15.2	10.2	6.6	29.5
AA-101-041	13 DEC 79	11 30	.2	-.1	.3	.1	.7	.2	1.0	1.3	1.5	2.1	6.8	14.1	11.7	7.8	42.0
AA-101-043	14 DEC 79	12 6	-7.8	-6.4	-6.1	-6.2	-5.5	-6.6	-6.0	-5.6	-5.0	-3.6	-1.5	1.9	6.3	5.5	29.5
AA-101-044	23 JAN 80	11 54	-1.8	-1.4	-.9	-1.3	.4	-.6	.3	1.1	2.6	4.2	5.7	9.0	11.7	13.6	29.6
AA-101-047	29 JAN 80	11 42	-1.4	-1.1	-1.0	-1.5	-.1	-.6	.5	.3	.3	1.1	1.8	3.3	4.9	6.1	42.9
-049		13 27	-1.3	-.7	-.3	-.4	.5	-.6	.3	.5	1.0	2.5	4.7	10.9	15.1	10.8	30.4
AA-101-052	05 FEB 80	13 37	-1.9	-1.7	-1.4	-1.7	-.8	-2.2	-1.6	-1.5	-1.1	.3	3.3	10.5	13.3	8.9	29.1
AA-101-054	13 FEB 80	11 26	-1.7	-1.6	-1.2	-1.8	-.8	-2.0	-.6	1.3	6.9	16.1	17.8	14.5	12.5	10.8	34.5
-055		11 53	-1.6	-1.5	-1.0	-1.7	-.3	-.9	-.2	1.4	6.1	14.7	19.5	19.1	18.5	18.3	39.4
-056		12 4	.2	-.2	.0	-1.2	.1	-1.2	.6	2.3	6.9	16.2	20.5	18.7	17.4	16.5	37.5
AA-101-060	14 FEB 80	9 54	-.5	-.4	-.1	-.9	.3	-.9	.1	1.2	5.1	12.2	17.9	16.2	13.5	11.7	47.5
-061		11 3	1.4	4.4	4.7	4.7	5.5	4.9	5.7	7.0	9.8	16.1	21.9	23.0	22.0	21.1	31.4
AA-101-065	20 FEB 80	11 19	-.7	-.6	-.6	-1.0	-.2	-1.5	-1.0	-.5	1.4	3.6	3.0	2.4	5.2	11.7	32.2
AA-102-067		13 11	5.5	3.7	2.7	2.2	2.5	.9	-.2	.0	1.4	1.4	.2	-1.8	-1.4	.4	29.5
AA-101-068	21 FEB 80	14 10	-5.4	-3.1	-2.8	-3.1	-2.5	-3.6	-3.5	-3.8	-3.3	-3.0	-3.1	-2.5	-.3	2.7	29.6
-069		14 13	-1.8	-.6	-.3	-.3	-.8	-.8	-1.3	-1.4	-1.5	-1.6	-.9	.6	4.4	7.3	30.8
AA-102-070		14 33	5.1	2.2	2.3	1.1	1.8	.8	-.6	.7	2.2	2.3	1.7	1.4	.8	2.3	31.3
AA-102-071	22 FEB 80	14 48	4.9	3.8	2.1	1.2	1.2	-.1	-2.0	-1.5	2.1	4.4	6.1	8.3	12.5	7.5	22.8
-072		14 53	5.2	2.8	2.7	1.2	.5	.2	-1.8	-1.7	.2	3.3	7.0	9.7	11.1	7.6	34.4
AA-101-073	27 FEB 80	11 57	6.4	2.1	.1	.1	1.7	3.5	9.4	15.7	17.2	16.6	15.1	12.3	9.9	9.2	22.7
AA-101-074	01 APR 80	11 3	1.1	.7	.7	.5	1.9	.2	.9	1.7	2.5	4.0	6.9	11.3	15.9	16.0	41.5
-075		11 22	1.1	.4	.0	-.3	2.1	.0	1.1	2.1	3.0	4.4	7.1	11.5	15.7	15.0	33.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E1

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-034	29 NOV 79	11 1	11.3	12.9	11.9	11.0	10.8	9.5	9.9	10.1						2.2	8.3
AA-101-036	06 DEC 79	11 14	8.3	5.5	.6	-2.2	-2.1	-2.2	-.2	.8	-.1	-.9	1.2	-2.5		3.2	3.4
-037		15 15	11.3	11.8	11.5	12.0	12.2	10.4	11.2	10.7	9.8	9.4	11.7			2.9	8.7
AA-101-038	12 DEC 79	10 50	17.1	16.7	15.4	14.9	14.7	12.8	13.4	13.5	12.6	12.5	15.1			5.6	11.8
-039		11 18	6.4	5.0	1.5	-.3	-.8	-1.5	.0	.5	-.9	-1.1	1.1			.2	3.4
-040		13 10	2.8	1.3	-.8	-.6	.3	.6	2.2	3.4	1.3	1.7	4.2	-.1		3.5	3.3
AA-101-041	13 DEC 79	11 30	4.8	4.5	1.8	.6	1.0	-.2	2.7	3.7	2.8	1.7	1.0		-4.4	1.0	3.1
AA-101-043	14 DEC 79	12 6	5.2	.5	-1.7	-2.1	-3.2	-3.8	-3.7	-3.4		-3.3	-4.5			-3.2	-.4
AA-101-044	23 JAN 80	11 54	14.3	12.8	12.2	12.1	11.5	10.5	11.2	11.4						2.3	8.4
AA-101-047	29 JAN 80	11 42	7.4	4.7	3.4	2.2	1.8	1.2	2.0	2.5		1.8	1.3	-.4	1.0	1.2	3.0
-049		13 27	7.9	2.9	.8	-.6	-.7	-.9	.4	.8	-1.3	1.4	1.0			2.7	3.4
AA-101-052	05 FEB 80	13 37	6.5	4.7	5.1	5.3	4.4	2.3	1.4	.6			-.1			.2	2.7
AA-101-054	13 FEB 80	11 26	8.6	6.4	6.7	6.8	5.8	5.0	5.6	5.4		4.9	4.5		-.3	4.0	7.3
-055		11 53	18.0	16.3	16.6	16.5	16.2	15.4	16.1	16.5						4.6	14.6
-056		12 4	15.5	13.5	13.7	13.3	13.4	12.7	13.0	13.4		12.7	11.8			5.8	13.5
AA-101-060	14 FEB 80	9 54	9.8	7.0	6.9	6.4	5.6	4.1	4.3	4.2						3.1	7.0
-061		11 3	20.8	19.2	19.8	19.9	18.8	17.4								6.8	13.8
AA-101-065	20 FEB 80	11 19	18.8	10.5	6.6	3.9	2.7	.6	.3	-.2		-1.2	-.9	-3.3	-2.0	2.5	4.4
AA-102-067		13 11	4.5	6.9	7.3	2.6	-2.7	-3.9	-3.7	-1.7	-.7	-1.4	-1.6			.4	.5
AA-101-068	21 FEB 80	14 10	6.9	2.8	-.4	-2.6	-2.8	-1.5	-.5	-1.9	-3.4	-2.7	-3.5	-6.0	-5.5	-2.4	-1.0
-069		14 13	10.5	6.7	3.4	.9	-1.7	-.5	-.7	-1.0	-1.6	-1.1	-2.2	-3.1	-1.8	.5	1.8
AA-102-070		14 33	4.2	4.0	4.5	4.5	2.1	2.1	1.7	1.4			-1.2	-.9	-4.0	1.5	2.1
AA-102-071	22 FEB 80	14 48	1.6	-3.0	-4.0	-2.3	-2.1	-1.4	-.3	.8	1.6	-.3	-1.8			1.0	-.2
-072		14 53	.4	-4.1	-5.4	-2.8	-4.4	-3.4	-2.1	-1.6	.0	-2.1	-4.6			.9	-.6
AA-101-073	27 FEB 80	11 57	8.1	6.7	6.8	5.9	5.7	3.9	4.5	3.6		4.6	4.5			8.1	7.2
AA-101-074	01 APR 80	11 3	15.3	13.2	13.1	12.8	14.2	12.7	14.2	12.8						4.6	10.9
-075		11 22	14.2	11.5	9.2	6.9	7.9	5.6	6.2	4.7		5.5	7.2	5.4		4.0	8.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 194 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-[illegible]-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 194 M

DATE 02 FEB 87
PAGE 32

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-076	03 APR 80	11 17	1.2	.5	.4	.2	1.7	.1	.0	1.5	2.6	4.5	7.5	12.1	17.0	16.0	30.4
-077		14 12	1.1	.5	.1	.0	1.4	-.2	.5	1.4	2.6	4.6	8.5	17.8	18.6	14.3	35.2
AA-101-080	10 APR 80	9 39	1.3	1.1	1.1	1.2	2.7	1.5	1.9	2.7	3.3	4.7	6.5	8.6	10.9	12.1	19.6
-081		10 47	1.0	.9	.6	.8	2.0	1.0	1.9	2.7	3.5	5.2	6.9	9.2	12.2	15.5	34.4
-082		11 47	1.1	.7	.8	.8	2.6	.8	2.2	3.6	4.8	6.2	8.0	10.9	14.3	17.6	31.3
-083		12 3	1.0	.7	.5	.9	1.8	1.5	2.0	2.8	3.7	5.1	7.1	11.0	15.7	19.2	32.1
AA-101-087	11 APR 80	10 51	1.4	1.1	.8	1.1	2.3	.7	1.4	2.3	3.0	4.3	6.5	9.1	12.8	15.8	32.6
AA-101-088	16 APR 80	10 4	.8	.5	-.2	-.8	.7	-1.1	.4	.8	2.2	4.9	10.0	17.7	16.4	11.0	34.4
AA-101-089	17 APR 80	11 23	.9	.4	.3	.3	1.8	.0	.9	2.0	2.9	4.4	6.5	8.4	11.2	13.3	29.5
AA-101-090	18 APR 80	11 6	.5	.2	.0	.0	1.5	-.2	.6	1.6	2.4	3.7	5.6	7.9	10.5	12.4	32.1
AA-101-092	22 APR 80	11 2	.6	.7	.9	1.2	3.3	1.9	3.6	5.1	6.6	8.3	10.5	14.0	18.5	21.3	35.3
AA-101-094	06 MAY 80	14 33	-1.8	-1.6	-1.5	-1.3	.2	-.6	1.2	2.8	4.5	7.5	11.8	15.7	13.7	11.8	29.5
AA-101-096	08 MAY 80	10 26	-1.8	-1.7	-.2	-.2	.5	1.6	2.8	2.4	2.6	6.2	12.5	13.0	9.4	6.5	24.1
AA-101-099	09 MAY 80	12 29	-1.5	-1.4	-1.2	-1.0	.8	-.6	1.0	2.7	4.7	7.4	10.6	12.9	13.9	15.1	29.5
AA-103-101	09 SEP 80	7 10	2.6	2.4	2.0	2.2	2.7	2.2	2.7	4.5	6.9	12.4	19.6	18.5	15.8	13.1	30.9
-103		7 24	3.1	3.0	2.4	2.9	3.3	2.8	3.6	5.2	8.0	13.8	22.7	18.7	15.6	11.2	29.5
-105		7 35	3.0	3.2	2.6	3.1	3.4	2.9	3.9	5.4	8.1	13.5	21.6	19.5	16.5	12.0	32.2
-107		7 45	3.4	3.2	2.7	3.4	3.4	3.2	4.0	5.4	8.1	13.2	20.5	18.7	15.8	11.6	34.4
-109		7 55	2.7	2.3	1.8	2.5	2.7	2.3	3.1	4.5	6.9	11.6	17.8	18.2	16.0	12.3	30.4
-111		12 26	2.4	2.6	2.4	3.3	3.6	3.4	4.2	5.4	7.1	10.1	12.9	14.4	17.6	19.6	40.7
-112		12 58	2.5	2.7	2.8	3.6	4.9	4.6	5.8	7.6	9.2	12.4	14.8	16.9	22.4	25.6	30.4
-114		13 10	2.5	2.5	2.2	3.3	4.0	3.9	5.0	6.3	8.1	10.7	12.8	15.1	20.1	21.7	32.6
-116		13 23	2.5	2.4	2.5	3.2	4.0	3.6	4.4	5.9	7.8	10.7	13.3	14.2	18.4	21.8	30.4
-118		13 37	3.4	3.4	3.4	4.5	4.9	5.1	5.9	7.1	8.8	11.7	14.4	15.8	20.0	22.5	22.2
-120		13 53	3.2	3.0	3.1	4.0	4.7	4.6	5.8	7.1	8.8	11.7	14.6	16.6	21.3	23.0	29.1
-122		14 8	2.7	2.6	2.7	3.2	4.1	4.1	5.3	6.6	8.3	10.9	12.7	14.0	18.8	21.3	28.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 19.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E2

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-076	03 APR 80	11 17	14.0	11.3	9.2	7.9	8.7	6.5		4.6	4.9	5.5	6.2			2.6	6.2
-077		14 12	10.6	6.2	3.0	.9	.9	-1.7	.0	-.4	.6	.3	1.6	.4	.4	4.3	4.8
AA-101-080	10 APR 80	9 39	11.7	11.5	11.5	10.8	11.5	10.1	11.3	9.6						4.8	9.5
-081		10 47	17.0	16.0	15.9	15.2	15.9	14.0								4.3	10.1
-082		11 47	19.7	19.6	19.4	18.9	19.2	17.5								5.1	11.7
-083		12 3	19.4	18.5	16.0	16.2	15.9	11.6								3.1	7.5
AA-101-087	11 APR 80	10 51	16.8	16.3	15.7	15.2	15.5	13.4	14.3							5.1	11.3
AA-101-088	16 APR 80	10 4	5.7	1.5	.8	.0	1.8	1.4			4.2					2.1	4.9
AA-101-089	17 APR 80	11 23	14.4	14.5	15.4	15.4	16.0	14.0	15.3							4.5	11.0
AA-101-090	18 APR 80	11 6	12.4	11.5	12.3	13.1	13.8	11.8								4.1	9.6
AA-101-092	22 APR 80	11 2	22.7	22.3	22.0	21.0	21.0	18.5	19.7	18.2						6.9	14.9
AA-101-094	06 MAY 80	14 33	10.0	6.4	4.4	2.2	2.0	-1.3	-.7	-2.0		-1.4	-.8	-2.6	-5.3	4.3	4.6
AA-101-096	08 MAY 80	10 26	4.6	2.3	1.8	1.2	2.4									1.5	4.0
AA-101-099	09 MAY 80	12 29	16.1	15.4	16.0	15.9	16.4	14.3								4.6	11.9
AA-103-101	09 SEP 80	7 10	10.3	8.0	4.7	2.6	1.5	-.7	3.7	5.0	3.3	2.6	5.2	2.0	2.5	6.9	6.1
-103		7 24	7.9	5.8	1.5	-1.2	2.2	5.7	3.0	6.5	6.1	4.7	7.5	5.3	6.1	7.0	5.5
-105		7 35	7.9	4.8	.9	-1.7	.7	3.7	5.0	5.0	7.1	3.7	7.1	5.2	6.2	7.1	5.4
-107		7 45	7.7	5.2	1.5	-1.4	-1.3	-1.8	4.1	5.4	4.7	3.7	4.8	2.9	4.4	6.9	4.5
-109		7 55	9.4	7.9	5.0	2.1	.1	-2.7	-.1	1.5	2.6	-.5	1.8		1.4	6.4	4.7
-111		12 26	20.6	21.1	19.7	19.7	19.8	16.7	17.4							7.1	14.2
-112		12 58	24.0	24.4	23.8	24.1	23.9	20.5	22.2	23.6						10.2	17.8
-114		13 10	20.7	21.2	21.2	22.0	22.2	18.9	20.3	21.5	21.2					9.1	16.4
-116		13 23	23.2	23.8	23.6	23.9	23.9	20.7	21.7	23.1	22.5					8.9	16.9
-118		13 37	23.3	23.6	24.1	24.7	24.6	21.3	22.5	22.4	22.1					9.7	17.1
-120		13 53	23.1	24.5	24.5	24.8	24.8	21.3	22.3	23.0	21.5					9.9	17.6
-122		14 8	21.4	22.4	22.2	22.3	22.4	19.2	20.3	21.4	20.4					9.1	16.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE D3

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-102	09 SEP 80	7 17	.5	.3	-.1	.4	1.0	.2	.5	2.3	6.0	13.2	19.5	9.4	6.9	6.1	32.7
-104		7 30	.4	.8	-.1	.7	1.4	-.2	.6	2.3	5.9	13.1	20.3	10.0	8.2	7.0	34.5
-106		7 40	.3	.6	-.3	.4	1.5	-.3	.5	2.2	5.4	11.9	19.3	11.9	8.9	7.2	38.9
-108		7 50	.1	.8	-.2	.8	1.5	-.2	.8	2.4	5.7	12.3	19.2	11.8	8.9	7.2	32.7
-110		8 1	.1	.5	-.2	.5	1.4	-.4	.6	2.4	6.2	13.5	22.0	10.8	8.2	6.4	39.4
-113		13 4	-1.4	-.8	-1.5	-.7	-.2	-1.5	-1.7	-.2	3.6	11.3	20.0	8.0	4.2	2.6	35.4
-115		13 16	-.4	.0	-1.0	-.2	.7	-1.0	-.9	.7	4.1	11.0	18.4	9.7	6.5	4.8	35.4
-117		13 29	-.4	-.4	-1.2	-.2	.0	-.9	-.9	.4	3.8	11.0	18.4	9.5	6.1	5.6	30.9
-119		13 47	-.4	-.2	-1.2	-.2	-.2	-1.0	-1.0	.0	3.2	10.1	17.7	10.1	5.7	5.6	32.7
-121		14 3	-.8	-.7	-1.8	-.9	-.4	-1.5	-1.5	.0	4.0	12.1			6.5	4.7	30.0
AA-103-125	10 SEP 80	6 58	2.3	1.6	1.2	1.4	1.5	1.0	1.5	2.3	3.8	7.5	13.4	20.9	17.1	13.5	30.4
-127		7 11	2.2	1.8	1.8	1.9	2.2	1.7	1.9	2.5	3.9	7.1	12.1	20.8	16.8	13.6	29.7
-129		7 22	2.3	1.6	1.7	2.0	2.2	1.7	2.2	2.6	4.0	7.1	11.6	20.4	18.9	16.6	29.5
-131		7 33	2.6	2.2	1.8	2.2	2.3	1.7	2.1	2.9	4.3	7.9	13.7	21.0	16.4	12.1	29.1
-133		7 44	2.5	1.9	1.7	1.8	1.8	1.4	1.8	2.4	3.9	7.4	12.8	20.7	17.9	14.7	29.1
-135		13 0	1.6	1.4	1.5	1.9	2.3	1.6	1.9	2.6	3.6	5.4	7.3	10.1	15.5	15.9	29.5
-137		13 10	1.4	1.2	1.0	1.3	1.7	1.1	1.6	2.2	3.3	5.3	8.2	12.4	16.7	14.6	30.4
-139		13 19	1.2	1.1	1.0	1.6	1.9	.9	1.3	2.1	3.0	5.0	6.6	9.5	14.5	14.2	30.4
-141		13 29	1.3	1.0	.8	1.3	1.5	.8	1.3	2.0	3.0	5.1	8.2	13.4	18.5	14.4	30.4
-143		13 44	1.2	.8	.7	.9	1.3	.4	1.0	1.7	2.8	4.7	7.2	11.1	15.3	13.2	30.4
AA-104-126		7 4	.9	1.2	.2	1.0	1.6	.2	-.1	.5	2.1	5.7	8.8	11.8	14.4	11.4	38.5
-128		7 16	.8	1.2	.2	.7	1.8	.1	-.3	.4	2.3	5.5	9.4	13.6	16.0	12.6	31.3
-130		7 28	1.2	1.5	.5	1.2	2.0	.6	.3	.9	2.7	6.1	9.5	13.2	15.7	12.4	31.3
-132		7 39	.8	1.4	.4	1.0	2.0	.3	.1	.7	2.5	5.6	8.8	11.7	13.8	11.9	31.3
-134		7 50	1.1	1.4	.5	1.2	2.1	.4	.1	.9	2.5	5.7	8.7	11.0	13.5	12.5	30.4
-136		13 4	.0	.3	-.6	-.1	.7	-.6	-.7	-.1	1.3	4.0	6.9	5.1	7.4	8.7	30.4
-138		13 14	.1	.4	-.8	-.1	.5	-.3	.3	1.0	2.5	5.0	7.4	6.2	9.0	12.3	29.5
-140		13 24	.7	.5	-.4	.4	1.3	.1	.6	1.6	3.3	5.5	8.0	6.2	9.0	11.7	30.8
-142		13 36	-.2	-.6	-1.5	-.9	.3	-1.0	-.8	.2	1.9	4.3	6.6	5.5	8.4	10.7	28.2
-144		13 49	-.2	-.4	-1.3	-.5	.6	-1.1	-.6	.2	1.6	4.0	6.6	4.8	7.7	10.0	29.5
AA-103-145	16 SEP 80	7 19	1.6	1.6	1.1	1.5	1.5	1.1	2.2	3.6	6.2	12.4	23.2	16.6	12.0	7.7	38.0
-147		7 34	1.8	1.7	1.2	1.9	1.8	1.5	2.5	3.7	6.2	11.8	21.4	18.5	14.7	11.9	34.4
-149		7 47	1.2	1.7	1.2	2.1	1.7	2.0	2.5	3.4	5.9	11.4	19.8	17.9	14.4	11.8	29.5
-151		8 0	1.4	1.9	1.5	2.3	1.9	2.0	2.5	3.5	5.5	9.7	15.5	17.6	14.7	13.3	30.4
-153		8 12	2.2	2.1	1.9	2.6	2.0	2.6	3.1	4.0	5.7	9.5	15.3	18.8	17.0	15.0	30.9
-155		13 12	2.4	2.4	2.1	2.7	2.7	2.5	3.2	4.1	5.9	9.3	13.7	17.7	18.4	16.8	30.4
-156		13 21	2.2	2.5	2.1	3.0	2.9	2.6	3.4	4.5	6.1	9.2	13.0	16.7	19.2	19.7	29.5
-158		13 49	2.3	2.4	2.2	2.9	3.2	2.7	3.4	4.6	6.2	9.2	12.7	15.8	18.2	18.3	32.2
-159		13 51	2.4	2.5	2.4	3.0	3.3	2.9	3.4	4.5	6.2	9.4	13.2	17.0	19.3	18.0	32.2
-160		13 54	2.9	2.4	2.2	2.8	3.1	2.5	3.2	4.4	6.0	9.2	13.0	16.8	19.5	18.9	33.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E3

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-102	09 SEP 80	7 17	4.2	2.4	.7	-.7	-.8	2.3	6.1	4.2		3.0	5.0	1.8	4.0	3.1	2.8
-104		7 30	5.7	3.2	1.4	.7	-.5	-1.5	1.4	3.8	2.9	1.1	3.3	.4	2.2	3.3	2.7
-106		7 40	6.3	4.3	2.9	1.8	.2	-1.9	-1.9	1.2	2.3	-.6	2.6	-.5	1.4	3.0	2.3
-108		7 50	6.0	4.1	2.6	1.9	-.1	-3.0	-2.4	1.0	2.3	.3	2.8	.0	2.1	3.4	2.5
-110		8 1	4.8	1.9	.1	-.4	.0	1.8	2.7	3.2	4.3	1.7	3.5	.8	3.7	3.4	2.6
-113		13 4	-.1	-3.2	-4.8	-3.5	-1.1	-2.2	-1.9	.7	1.1	-.6	1.2	-.5	1.9	1.6	-.2
-115		13 16	2.4	-.6	-2.9	-3.2	-3.0	-.8	.1	.6	1.6	-.9	1.4	-.3	1.8	2.3	.7
-117		13 29	3.7	.8	-1.6	-2.1	-3.5	-2.6	1.2	.9	3.0		1.9	.6	3.4	2.4	1.2
-119		13 47	3.8	.8	-1.4	-2.0	-2.2	-.8	1.8	2.4	4.6	1.7		2.7		2.2	1.9
-121		14 3	1.7	-1.6	-3.6	-2.8	.3	-.7	-.8	1.6	1.5					1.9	.8
AA-103-125	10 SEP 80	6 58	9.4	6.4	3.2	2.1	4.5	2.9	3.2	6.4	6.6	4.1	6.6	2.8	3.0	5.1	6.2
-127		7 11	9.9	6.5	2.3	-.9	-.4	.7	2.9	3.1	4.5	1.1	4.5	1.5	2.0	5.0	4.9
-129		7 22	12.4	9.2	5.9	3.4	3.0	3.7	5.9	6.3	7.6	3.2	7.1	3.3	3.2	5.7	7.3
-131		7 33	7.8	5.3	3.4	3.0	7.0	2.4	4.0	6.4	6.8	3.4	5.8	2.6		5.5	6.3
-133		7 44	11.6	8.9	5.5	3.5	5.4	5.4	5.1	8.2	7.7	5.6	8.7	4.1		5.5	7.8
-135		13 0	13.5	11.0	8.4	6.3	5.0	2.0	3.8	4.7	4.7	2.8	2.9	.7	2.0	5.0	7.1
-137		13 10	11.3	9.2	6.1	3.7	2.3	-1.5	.2	1.1	2.1	-1.5	3.0	-.1	.8	4.5	4.8
-139		13 19	12.9	12.0	10.3	8.6	6.9	3.7	5.3	5.7	5.4	3.1	7.0	4.1		4.6	8.0
-141		13 29	10.2	7.0	3.4	1.0	-.1	-2.8	.0	1.5	2.0	-.6	2.8	-.1	1.1	4.0	4.2
-143		13 44	9.3	7.5	4.3	1.3	.0	-3.0	-1.3	-.2	.8	-1.0	1.3	-.9	.7	3.7	3.6
AA-104-126		7 4	8.9	7.4	6.0	6.8	5.8	3.5	3.2	3.9	5.5	3.7	5.6	3.1	6.3	3.0	5.5
-128		7 16	9.9	8.4	7.1	7.4	5.9	3.6	3.6	4.6	6.8	4.5	6.8	4.3	7.6	2.9	5.9
-130		7 28	9.6	8.4	7.2	7.7	6.3	3.7	3.3	4.0	6.2	4.1	5.9	3.2	6.1	3.3	5.9
-132		7 39	9.6	8.6	8.1	9.3	8.8	6.8	7.6	8.5	9.2	8.8	11.0	8.9	11.6	3.2	7.4
-134		7 50	9.5	8.4	7.3	8.6	8.6	6.5	7.0	8.2	9.1	8.0	10.4	8.1	11.4	3.2	7.1
-136		13 4	7.9	7.3	6.7	8.1	8.6	6.5	6.8	8.5	10.2					2.1	5.8
-138		13 14	13.9	14.6		16.6	17.2	15.8								3.0	8.1
-140		13 24	13.2	14.0	11.7	13.1	13.7	12.4								3.5	7.9
-142		13 36	12.2	12.7	13.3	14.1	14.8	14.3								2.2	6.9
-144		13 49	11.2	11.2	11.1	12.9	14.0	12.8								2.2	6.6
AA-103-145	16 SEP 80	7 19	2.5	-.7	-3.7	-2.0	2.5	-1.8	3.3	5.6	7.2	5.0	8.2	6.4	7.1	4.9	2.7
-147		7 34	7.2	3.3	-1.5	-2.1	4.7	2.9	3.0	7.4	8.1	6.2	10.0	7.9	8.3	6.0	5.1
-149		7 47	7.9	4.9	.9	-2.1	-2.0	-1.2	5.3	2.1	4.2	3.0	5.7	4.0	5.1	5.5	3.9
-151		8 0	10.5	8.6	5.5	3.4	1.7	-1.3	.2	.6	.5	-2.0	.6	-2.6	-1.0	5.6	4.8
-153		8 12	12.3	10.2	7.3	5.0	3.2	-.1	1.0	1.1	.8	-1.7	1.2	-2.3	-.3	6.2	5.8
-155		13 12	14.7	13.6	11.9	11.1	10.2	6.6	8.5	9.1	8.4	6.6	10.0	7.4	8.5	7.3	11.1
-156		13 21	19.1	19.1	18.4	18.5	18.1	15.0	16.6	17.1	16.2	14.8	17.2			7.8	15.1
-158		13 49	17.3	18.1	18.1	17.4	16.7	13.8	16.1	16.8	15.5	15.1	17.0			7.7	14.4
-159		13 51	16.2	16.1	15.2	15.1	14.9	11.8	14.1	15.1	14.8	13.4	15.6			7.9	13.8
-160		13 54	17.9	18.2	17.4	17.0	16.0	12.3	14.1	14.8	14.5	12.8	15.6	12.2		7.8	14.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE D4

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-157	16 SEP 80	13 42	.6	.8	-.2	.4	1.1	-.9	-.1	1.3	4.3	10.3	19.2	13.0	10.0	7.5	31.3
-161		14 8	.6	.9	-.4	.5	1.4	-.4	.5	1.5	4.4	10.8	20.4	12.7	8.3	6.0	24.6
-162		14 11	.4	.7	-.5	-.1	.9	-.8	.1	1.3	4.3	10.6	20.2	11.5	7.5	5.2	29.5
-163		14 13	.8	.6	-.4	.4	1.1	-.5	.1	1.4	4.3	10.8	20.5	13.4	8.4	6.8	35.3
AA-103-164	17 SEP 80	7 5	7.7	7.7	7.2	7.9	8.6	8.3	8.8	9.7	10.5	12.6	14.6	16.6	23.2	26.2	33.5
-165		7 12	7.7	7.6	7.4	8.0	8.5	8.0	8.6	9.5	10.2	12.2	14.2	16.5	23.3	25.9	36.2
-166		7 20	7.8	7.7	7.6	8.0	8.6	8.3	8.6	9.4	10.3	12.3	14.2	16.1	22.4	25.0	31.3
-170		7 44	8.0	7.7	7.6	8.0	8.1	8.4	8.8	9.3	9.7	11.8	13.9	15.7	20.3	23.8	35.3
-171		7 47	7.8	7.3	7.0	7.5	7.8	7.9	8.6	9.1	10.0	12.0	13.8	15.2	19.6	22.5	32.1
-175		13 12	6.9	6.6	6.1	6.3	6.7	6.0	7.3	8.0	9.5	12.9	18.3	24.2	22.3	19.4	29.0
-176		13 22	6.8	6.8	6.2	6.6	6.8	6.4	7.3	7.9	9.0	12.1	17.0	23.9	22.4	19.2	29.5
-177		13 24	7.3	6.9	6.8	7.1	7.3	6.9	7.8	8.6	9.5	12.6	16.9	26.2	24.6	21.5	32.6
-178		13 28	7.2	6.6	6.3	6.8	7.3	6.7	7.5	8.3	9.3	12.4	17.1	25.7	23.0	20.0	34.8
-179		13 34	6.9	6.8	6.6	7.0	7.3	7.0	7.9	8.8	9.8	12.6	16.9	25.3	23.9	21.7	30.1
AA-104-167		7 27	-.7	.0	-1.0	-.3	.1	-1.7	-1.7	-.8	1.5	6.5	13.2	18.7	16.0	8.8	35.8
-168		7 30	-1.0	-.4	-1.4	-.8	-.6	-3.1	-2.3	-1.3	1.5	6.4	13.8	16.6	12.1	4.6	32.7
-169		7 33	-.4	-.1	-1.2	-.7	-.6	-3.1	-2.1	-1.1	1.6	6.7	14.4	16.7	12.4	5.0	30.5
-172		8 4	-.4	-1.6	-1.8	-1.4	-2.0	-3.4	-3.3	-2.5	.6	5.7	14.8	14.8	7.0	1.7	33.6
-173		8 23	-.7	-1.2	-2.1	-1.8	-2.6	-4.1	-4.0	-3.2	.3	6.3	15.2	12.9	3.5	-1.6	37.6
-174		8 27	-.7	-1.2	-1.6	-1.4	-2.2	-3.7	-3.6	-2.8	.5	6.3	15.0	13.8	4.5	-1.0	25.6
-180		13 51	-.4	-.4	-.9	-.2	.4	-.7	-.9	-.3	1.6	4.8	7.4	7.8	11.0	11.4	33.6
-181		14 2	-.8	-.1	-.9	.0	.4	-.9	-1.1	-.3	1.7	5.1	8.3	8.3	12.5	12.5	30.4
-182		14 4	-.7	-.3	-.9	.1	.4	-.8	-1.0	-.3	1.6	5.1	8.0	7.8	11.5	11.9	31.3
-183		14 6	-1.0	-.2	-.9	-.4	.1	-1.2	-1.5	-.7	1.3	5.2	8.7	9.4	12.8	10.3	30.4
-185		14 8	-.4	-.4	-1.1	-.1	.2	-1.0	-1.3	-.5	1.3	4.9	8.0	8.1	12.5	12.5	28.7
-186		14 13	-.6	-.3	-1.1	-.2	-.1	-1.0	-1.5	-.5	1.4	5.0	7.9	7.6	11.2	11.6	32.2
-187		14 14	-.8	-.4	-1.2	-.3	-.2	-1.1	-1.1	-.1	1.5	4.9	7.3	6.4	9.0	9.4	34.5
AA-103-188	19 SEP 80	7 1	1.8	1.6	1.4	2.0	2.0	1.7	2.5	3.2	4.6	7.9	13.3	23.2	20.5	16.6	30.9
-189		7 3	2.0	2.0	1.9	2.5	2.7	2.6	3.0	3.4	4.8	8.2	13.1	22.7	20.7	18.2	32.4
-192		7 21	2.1	2.0	1.7	2.0	2.0	1.7	2.3	2.9	4.4	7.5	12.6	20.5	17.1	13.6	29.9
-193		7 23	2.0	1.8	1.7	2.1	2.3	2.1	2.4	2.9	4.2	7.4	12.7	21.6	17.7	14.3	31.3
-194		7 25	1.8	1.5	1.0	1.2	.9	.6	.6	1.2	2.9	6.9	13.6	17.4	13.3	9.5	30.9
-205		8 2	1.9	1.7	1.3	1.9	1.8	1.7	2.1	2.7	4.2	7.7	12.9	20.5	17.1	13.5	29.5
-206		8 14	2.2	1.9	1.9	2.5	2.5	2.6	2.7	3.2	4.4	7.2	11.8	21.0	18.2	14.9	32.2
-207		12 53	1.6	.9	.7	1.1	1.4	1.2	1.8	2.3	3.2	5.1	7.3	9.3	13.8	13.8	30.5
-208		12 55	1.7	.9	.7	1.2	1.5	1.2	2.0	2.5	3.5	5.2	7.5	10.0	14.5	15.0	31.3
-209		12 57	1.8	.9	.8	1.3	1.6	1.4	2.0	2.7	3.8	5.4	7.5	9.9	14.6	15.6	30.9
-210		12 59	1.5	.8	.7	1.3	1.5	1.4	1.7	2.3	3.1	4.8	7.0	9.0	13.3	13.6	30.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E4

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-157	16 SEP 80	13 42	5.1	2.6	-.1	1.0	5.0	3.3	4.3	5.3	3.2	3.6	5.1	2.2	4.2	2.8	3.7
-161		14 8	5.1	3.9	2.5	2.7	3.1	4.6	5.0	5.6		4.5	6.4	3.4	5.0	3.2	4.7
-162		14 11	3.4	1.5	.1	.8	1.8	.7	2.0	2.5	1.7	1.1	2.5	.5	3.3	2.7	2.8
-163		14 13	5.0	2.7	.3	.7	3.6	3.8	3.9	4.5	4.9	3.4		2.4	4.6	3.0	3.8
AA-103-164	17 SEP 80	7 5	25.8	24.7	23.0	22.1	21.2	17.3	18.2	19.2	19.7	17.6	18.7	15.3		12.7	19.0
-165		7 12	25.1	23.2	21.3	20.4	20.2	16.5	17.4	18.1	18.7	16.9	18.3	15.2		12.6	18.5
-166		7 20	24.9	24.3	23.8	23.9	23.6	20.0	20.6	21.6	21.4	19.1	21.9			12.5	19.2
-170		7 44	25.0	25.8	25.9	26.8	27.4	24.7	26.0	27.1	27.5	25.5				12.2	19.0
-171		7 47	23.4	24.1	24.4	25.5	25.9	22.9	23.7	24.7		22.2				11.9	18.6
-175		13 12	14.9	11.0	7.5	6.0	7.3	7.7	9.6	11.6	11.2	8.9	11.9	8.1		10.5	11.3
-176		13 22	15.1	11.3	7.7	5.4	6.5	7.7	9.0	10.4	10.4	8.0	11.4	8.1	7.5	10.2	10.7
-177		13 24	18.1	15.6	13.3	11.3	10.1	9.4	12.2	13.9		11.6	15.1	10.5		11.4	14.2
-178		13 28	17.5	15.3	12.5	10.2	9.4	8.7	11.3	12.8	13.1	10.4	13.1	9.3		10.9	13.3
-179		13 34	18.9	15.7	12.8	10.9	10.0	8.1	11.5	14.1	13.1	11.9	14.1	10.7		11.3	13.7
AA-104-167		7 27	3.5	2.3	.4	1.6	4.8	4.7	6.3	8.0		6.2	8.6	6.9	9.4	2.0	4.8
-168		7 30	.7	.1	-.3	1.5	3.3	4.1	4.8	5.9	5.2	5.0	6.7	5.7	7.4	1.5	3.7
-169		7 33	2.3	1.9	1.5	2.7	4.7	5.8	6.7	7.1		6.5	7.8	7.1	8.9	1.8	4.7
-172		8 4	-1.5	-3.4	-4.3	-.5	-.1	.3	3.1	4.5	3.5	4.4	5.9	5.5	6.8	.1	1.0
-173		8 23	-4.2	-4.7	-2.9	-1.2	-1.8	1.6	2.2	4.3		4.8	6.5	5.9	7.4	-.6	.2
-174		8 27	-4.1	-4.9	-3.3	-.6	-1.2	2.4	3.0	5.9	5.3	6.3	7.7	7.7	9.2	-.4	.5
-180		13 51	10.0	9.5	6.6	11.5	12.8	11.3	12.8	14.4	14.5					2.5	8.1
-181		14 2	9.0	8.0	6.6	8.7	9.0	7.2	8.6	10.7	9.8	11.1				2.4	7.1
-182		14 4	9.3	9.2	6.9	10.0	10.4	8.4	9.9	11.6	9.9					2.4	7.3
-183		14 6	6.7	6.0	4.7	6.6	6.6	4.4	5.6	7.4	6.5	7.3	9.9			1.9	5.8
-185		14 8	9.3	8.8	6.8	8.8	8.4	6.1	6.8	8.2	8.2	7.7				2.2	6.6
-186		14 13	9.3	8.9	7.4	10.5	11.4	10.0	11.9	14.0						2.1	7.4
-187		14 14	8.2	7.9	5.9	10.3	12.0	11.1								2.1	6.3
AA-103-188	19 SEP 80	7 1	12.7	10.1	6.8	4.0	3.2	2.7	6.2	7.4	7.7	5.8	8.9	4.5		6.0	8.1
-189		7 3	13.9	10.5	7.2	4.5	2.8	1.8	7.4	7.9	8.4	6.3	9.7	4.3		6.5	8.3
-192		7 21	8.8	5.9	2.0	-1.5	-2.0	-1.7	4.3	4.5	4.9	2.5	5.8	2.0	2.6	5.2	4.4
-193		7 23	10.5	7.4	3.6	.1	-.4	.0	4.5	6.2	6.1	4.0	7.3	3.8	4.1	5.5	5.8
-194		7 25	5.5	2.2	-1.6	-3.0	1.4	.9	-.9	2.9	3.3	1.9	4.2	2.0	2.5	3.7	3.3
-205		8 2	8.8	5.8	2.2	-.8	-1.5	-1.9	3.6	4.9	2.4	2.1	5.2	2.2	3.5	5.1	4.5
-206		8 14	10.3	6.8	2.4	-1.4	-2.2	-2.8	1.6	3.7	4.1	2.0	4.7	2.2	2.0	5.5	4.5
-207		12 53	12.1	10.8	8.6	6.9	6.2	3.9	6.0	6.9	8.0	6.0	9.5			4.7	8.1
-208		12 55	12.9	11.7	10.6	10.3	10.2	7.1	8.6	9.5	10.3	9.2	12.1			5.2	9.7
-209		12 57	14.2	13.2	11.7	10.3	9.6	7.1	8.9	9.4	9.9	8.1	9.7			5.2	9.9
-210		12 59	12.2	11.6	10.8	10.6	10.5	7.7	9.8	10.8	11.5	9.8	12.2			4.8	9.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE D5

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-190	19 SEP 80	7 12	3.8	3.8	3.3	3.6	4.1	2.6	2.7	4.0	6.2	11.0	16.3	20.0	17.8	13.0	29.5
-191		7 14	4.1	3.7	3.0	3.4	3.9	2.4	2.5	3.8	6.0	10.9	16.2	19.8	17.6	12.4	31.3
-195		7 33	3.0	3.4	2.7	2.9	3.5	2.3	2.2	3.5	6.3	11.7	18.1	22.5	13.8	8.5	29.1
-196		7 39	3.6	3.2	2.9	2.9	3.5	2.5	2.4	3.6	6.3	11.5	17.3	23.7	16.4	10.9	22.9
-197		7 42	2.8	3.2	2.9	3.0	3.6	2.4	2.4	3.7	6.3	11.6	17.5	23.8	16.5	11.1	28.2
-198		7 44	2.6	2.9	2.8	3.1	3.4	2.5	2.5	3.6	6.2	11.1	16.4	21.6	15.4	10.2	29.5
-199		7 46	3.2	3.1	2.6	2.9	3.4	2.3	2.5	3.7	6.3	11.0	16.0	21.2	16.7	11.2	30.0
-211		13 16	3.9	3.7	2.6	3.6	4.1	3.2	2.8	3.9	6.1	9.2	10.9	8.1	10.5	11.8	29.1
-212		13 21	4.3	3.6	2.7	3.8	4.1	3.1	3.1	4.1	6.3	9.0	11.0	8.7	11.1	11.5	29.1
-213		13 35	3.2	3.2	2.1	3.0	3.3	2.3	1.8	3.1	5.4	8.4	9.9	7.9	10.4	11.7	31.4
AA-103-214	23 SEP 80	7 8	3.0	2.0	1.2	1.2	1.6	1.3	2.8	3.4	3.8	6.8	13.3	21.7	18.3	15.9	30.4
-215		7 10	3.1	2.0	.9	1.0	1.4	1.1	2.5	3.2	3.7	7.0	14.2	20.3	15.0	12.0	30.4
-216		7 12	.9	1.4	.9	1.2	1.5	1.4	2.3	3.2	3.9	7.0	13.8	22.0	18.8	16.0	29.1
-220		7 33	1.0	1.4	1.0	1.4	1.8	1.8	3.3	3.9	4.2	7.3	14.0	21.5	18.0	15.8	27.7
-221		7 35	2.1	1.1	.8	.8	1.3	1.0	2.2	2.7	3.6	6.7	14.1	20.7	16.8	14.3	29.1
AA-104-217		7 21	1.1	1.7	.8	1.7	2.0	.9	1.1	2.3	4.3	9.3	13.6	14.8	15.1	11.1	30.5
-218		7 23	1.1	1.7	.8	1.9	2.1	.9	1.1	2.3	4.3	9.4	14.0	15.3	15.3	11.7	27.8
-219		7 24	1.2	1.9	.9	2.0	2.0	1.0	1.2	2.4	4.4	9.3	13.4	14.1	14.7	11.4	30.5
-222		7 41	1.3	1.5	.7	1.5	2.0	.8	.9	2.0	4.2	8.9	13.5	16.3	14.8	10.9	29.6
-223		7 43	.4	1.9	1.0	1.8	2.1	1.0	1.0	2.1	4.4	9.1	13.7	16.9	15.1	11.4	30.4
-224		7 46	.2	1.2	.7	1.2	1.7	.5	.5	1.7	3.9	8.6	13.0	15.8	14.3	11.3	30.0
AA-103-235	24 SEP 80	6 59	1.5	2.6	2.4	2.9	2.9	3.0	3.4	4.3	6.4	11.1	19.8	18.9	15.8	11.5	30.9
-236		7 1	1.8	2.6	2.5	3.2	3.2	3.1	3.4	4.3	6.3	11.1	19.5	18.9	15.5	11.9	31.4
-237		7 3	2.0	3.1	2.9	3.6	3.5	3.4	4.0	5.0	7.0	11.8	20.1	21.3	18.5	14.8	32.7
-238		7 4	2.2	2.9	2.7	3.6	3.7	3.7	4.2	5.2	7.2	11.8	20.0	21.5	18.5	16.0	31.4
-243		7 24	2.9	2.7	2.5	3.5	3.6	3.6	4.3	5.4	7.4	12.0	20.0	21.7	18.5	15.1	31.8
-244		7 26	3.3	3.1	3.1	3.8	3.8	3.7	4.7	5.5	7.5	12.2	20.3	22.1	19.4	16.2	31.8
-245		7 27	3.1	3.0	2.7	3.6	3.6	3.6	4.1	5.1	7.1	11.7	19.7	21.9	19.0	14.5	31.8
-246		7 29	2.8	2.9	2.7	3.7	3.8	3.7	4.6	5.5	7.2	11.3	18.8	21.9	18.6	15.2	31.3
-247		7 31	3.1	3.1	2.9	3.4	3.3	3.3	4.1	5.2	7.3	11.6	19.0	21.0	17.7	14.9	32.2
-248		7 32	2.4	2.8	2.5	3.5	3.7	3.8	4.6	5.4	7.1	11.5	19.2	20.8	17.7	15.0	31.3
-257		15 0	2.0	2.5	2.1	2.7	2.9	2.6	3.3	4.1	5.7	8.8	12.8	17.4	18.4	15.3	31.8
-258		15 1	2.4	2.4	2.1	2.8	2.9	2.5	3.4	4.1	5.7	9.0	13.2	17.5	18.3	15.4	31.3
-259		15 3	2.2	2.3	2.0	2.7	2.8	2.6	3.4	4.1	5.6	8.7	12.5	16.1	18.0	15.4	31.3
-260		15 4	2.4	2.5	2.1	2.9	3.1	2.5	3.3	4.2	5.6	8.8	12.6	16.5	17.9	15.4	32.2
-261		15 6	2.3	2.5	2.3	2.9	3.2	2.8	3.5	4.4	5.8	8.7	11.7	14.5	17.5	15.9	31.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E5

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ)													OASPL (DB)	AL (DBA)
			630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000		
AA-104-190	19 SEP 80	7 12	10.5	8.9	7.5	7.1	4.8	2.0	1.3	4.4	6.9	3.5	6.0	2.9	4.7	6.0	6.6
-191		7 14	9.6	8.0	6.3	5.7	3.6	.7	.1	3.6	6.8	2.5	4.8	2.0	3.5	5.7	5.8
-195		7 33	4.4	1.8	.1	.5	3.4	1.8	1.8	6.6	6.2	4.8	7.7	4.7	6.7	5.3	3.9
-196		7 39	8.0	5.8	3.8	2.6	2.8	4.2	6.4	5.8	8.1	3.7	6.5	3.2	5.5	5.7	5.8
-197		7 42	8.1	5.7	4.1	3.4	3.3	3.7	5.8	6.6	8.2	5.2	7.7	4.3	6.6	5.8	6.0
-198		7 44	7.1	5.1	3.4	2.1	.8	-.4	2.4	6.3	5.4	3.0	5.7	2.9	4.5	5.4	4.3
-199		7 46	8.5	6.9	5.0	3.3	2.0	.6	1.7	7.2	7.4	3.5	6.1	3.5	5.3	5.6	5.3
-211		13 16	12.2	12.5	14.4	16.6	16.9	15.8	17.0	18.1						6.1	10.3
-212		13 21	12.0	11.2	12.5	14.7	15.5	14.4								6.3	9.7
-213		13 35	11.4	10.8	12.4	15.5	15.9	14.8								5.2	8.9
AA-103-214	23 SEP 80	7 8	12.4	10.6	9.5	6.7	7.2	4.6	7.6	10.9	11.3	12.1	14.8	15.3		6.2	10.0
-215		7 10	8.3	6.5	4.6	1.7	3.3	2.8	5.8	7.4	9.2	8.7	11.4	12.7		5.5	6.8
-216		7 12	13.0	11.5	8.9	4.9	5.3	2.4	5.5	6.2	5.0	4.9	6.7	4.7		6.0	8.2
-220		7 33	12.1	11.3	9.4	5.2	6.4	4.4	7.0	7.2	6.0	5.3	6.4			6.3	8.7
-221		7 35	10.8	9.7	8.2	3.9	5.2	3.1	6.1	6.2	6.2	4.2	6.7	4.1		5.4	7.6
AA-104-217		7 21	9.4	7.8	6.3	6.3	4.2	1.0	-.7	-.6	1.0	-1.2	.8	-2.0	-.2	4.0	4.3
-218		7 23	10.3	8.6	6.6	7.2	5.3	2.1	.6	.9	2.5	.6	1.6	-.9	1.2	4.3	5.3
-219		7 24	10.0	8.3	7.0	7.6	6.2	3.5	2.6	2.4	3.1	1.2	2.3	-.7	1.6	4.4	6.0
-222		7 41	9.2	7.4	6.1	6.1	3.5	.6	-.4	-.3	.6	-1.8	-1.0	-3.1	-1.0	3.7	3.8
-223		7 43	9.9	8.3	6.9	6.7	4.2	1.5	.5	.4	1.0	-1.7	-.6	-3.5	-1.6	3.9	4.4
-224		7 46	10.3	8.5	6.9	6.8	4.4	1.5	.8	.7	1.3	-.7	.3	-2.5	-.2	3.5	4.5
AA-103-235	24 SEP 80	6 59	8.0	5.5	1.8	-.4	.1	1.3	3.5	4.2	3.6	2.6	5.4	1.1	1.3	6.4	5.2
-236		7 1	9.3	7.1	3.2	.9	2.6	3.7	4.4	6.3	5.7	4.6	7.4	2.8	2.7	6.8	6.8
-237		7 3	12.3	9.9	6.1	3.5	4.5	5.9	5.5	8.5	7.1	6.5	9.0	3.1		7.7	8.9
-238		7 4	14.0	12.1	7.5	5.1	5.7	6.8	6.8	8.9	8.6	8.1	10.6	5.4		8.0	9.9
-243		7 24	12.0	9.4	5.9	3.7	4.0	4.3	6.5	8.7	7.9	6.9	9.2	2.0		8.0	8.5
-244		7 26	13.3	11.1	8.1	6.2	6.8	6.3	7.3	9.4	9.3	8.0	11.1			8.3	10.2
-245		7 27	10.2	7.6	4.8	3.2	4.4	4.2	4.7	7.5	7.2	5.7	8.5	3.2	4.2	7.6	7.7
-246		7 29	12.0	10.3	6.7	3.6	3.0	3.9	7.8	7.8	8.9	6.6	9.9	4.8		7.9	8.8
-247		7 31	12.7	11.2	7.5	4.7	4.1	4.4	7.0	8.1	8.4	6.9	9.8	4.5		7.8	9.2
-248		7 32	13.0	11.1	7.3	4.5	4.2	4.5	7.4	8.0	9.0	7.0	10.2	5.3		8.0	9.2
-257		15 0	12.7	11.2	8.2	5.5	3.8	.5	1.7	2.5	3.1	.3	2.9	.3	1.7	6.5	7.0
-258		15 1	12.8	11.2	9.0	7.4	5.4	1.8	3.2	3.8	4.2	1.6	4.4	1.5	2.3	6.8	8.1
-259		15 3	12.9	11.8	9.3	6.6	5.0	1.7	3.2	3.7	3.8	1.0	3.7	.1	.6	6.7	8.0
-260		15 4	13.3	12.5	11.0	9.8	8.0	4.5	6.1	6.7	6.7	4.7	7.4			7.1	10.0
-261		15 6	14.0	13.8	13.1	12.6	11.8	8.2	10.0	10.7	10.8	8.9	11.1			7.4	11.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE D6

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-239	24 SEP 80	7 12	2.2	2.1	.8	1.3	1.9	.2	.7	1.7	3.7	8.2	13.2	14.4	13.5	11.1	29.5
-240		7 13	2.1	1.7	.7	1.2	1.7	.1	.6	1.7	3.5	8.3	13.4	14.5	13.0	10.9	31.3
-241		7 15	1.7	1.9	.5	1.2	1.6	.0	.6	1.5	3.5	8.3	13.7	14.6	12.9	10.8	30.4
-242		7 16	1.7	1.8	.6	1.1	1.6	.2	.5	1.5	3.5	8.3	13.8	14.7	13.0	10.5	31.8
-249		7 39	1.5	1.5	.5	1.1	1.5	-.1	.5	1.5	3.5	8.4	13.6	15.2	12.9	10.6	30.4
-250		7 40	1.4	1.5	.4	1.0	1.4	-.2	.3	1.5	3.4	8.4	13.6	14.8	12.7	10.1	32.6
-251		7 42	1.4	1.4	.4	.9	1.3	-.1	.3	1.4	3.5	8.3	13.4	14.6	12.7	10.5	32.6
-252		7 43	1.1	1.6	.4	.9	1.3	-.1	.3	1.5	3.4	8.4	13.5	15.2	12.8	10.2	32.6
-253		7 45	1.3	1.5	.3	.8	1.3	-.2	.1	1.3	3.3	8.2	13.3	14.5	12.2	9.5	30.4
-254		7 46	1.1	1.4	.4	.9	1.4	-.2	.2	1.3	3.4	8.3	13.7	14.6	11.9	9.4	32.6
-255		7 48	.7	.8	-.1	.4	.8	-.8	-.3	.9	3.1	8.0	13.3	14.6	11.9	9.1	45.6
-256		7 49	.7	.7	-.2	.3	.7	-.8	-.3	.9	3.1	7.9	13.0	13.9	11.5	8.6	35.3
-262		15 17	-.1	.8	-.2	.7	.6	-.4	-.2	.1	2.3	7.0	10.0	7.8	9.2	9.0	32.2
-263		15 18	-.3	.5	-.9	.0	-.2	-1.0	-1.0	-.6	1.5	6.5	10.0	7.7	8.1	6.9	30.0
-264		15 24	1.3	1.2	.2	.5	.4	-.5	-1.2	-1.5	-.5	3.5	5.9	4.9	8.2	8.7	21.5
-265		15 26	-.4	.5	-.4	.4	.6	-.1		.1	2.3	7.2	10.8	10.8	10.5	8.6	32.2
-266		15 28	-.6	.2	-.9	-.1	-.3	-1.2	-1.2	-.6	2.0	7.8	13.0	12.3	10.4	6.3	33.1
AA-103-267	25 SEP 80	7 10	1.9	1.2	1.0	1.3	1.5	1.5	2.1	3.3	5.5	10.3	17.8	18.1	15.6	12.8	31.3
-268		7 14	2.0	1.2	1.0	1.7	1.4	1.2	1.9	3.2	5.4	10.2	17.6	17.5	14.5	12.0	31.3
-269		7 17	2.1	1.6	1.4	1.8	1.6	1.7	2.2	3.0	4.6	9.0	16.8	18.5	15.9	12.9	33.1
-270		7 19	2.2	1.7	1.5	1.9	1.7	1.5	2.3	3.3	5.4	9.6	16.2	17.6	15.2	12.8	31.8
-271		7 22	2.0	1.6	1.5	1.9	2.0	1.8	2.5	3.5	5.5	9.6	15.6	17.8	15.9	13.6	32.2
-277		7 50	1.8	1.6	1.4	1.8	1.8	1.4	2.3	3.3	5.2	9.4	15.4	17.9	15.8	13.3	21.9
-278		7 51	2.3	1.9	1.7	1.9	2.1	1.7	2.4	3.4	5.4	9.5	15.7	18.0	15.6	12.8	30.9
AA-104-272		7 30	.4	.2	-.7	.0	.7	-1.0	-.5	.5	2.7	7.2	13.3	13.2	9.4	6.2	36.2
-273		7 32	.3	.2	-.8	-.1	.4	-1.3	-.8	.3	2.5	7.1	13.3	12.8	9.4	6.7	31.3
-274		7 34	.3	.0	-.8	-.2	.2	-1.2	-.8	.2	2.4	6.9	13.0	13.0	9.7	6.6	32.2
-275		7 36	.3	.3	-.7	.1	.6	-1.0	-.5	.4	2.6	7.3	13.6	13.4	9.4	6.1	36.7
-276		7 38	.4	.4	-.5	.1	.8	-.9	-.5	.5	2.8	7.7	14.0	14.0	10.0	6.9	31.3
-279		8 0	.2	.2	-.5	.1	.7	-1.0	-.4	.7	2.7	6.9	11.8	12.9	10.7	7.8	32.2
-280		8 2	.1	.1	-.7	.0	.7	-.9	-.5	.5	2.5	6.9	11.8	12.7	10.1	7.2	40.2
AA-103-281	30 SEP 80	14 15	1.5	2.1	1.8	2.8	2.6	2.3	3.0	4.0	5.7	8.6	12.3	15.0	15.7	15.2	32.2
-282		14 17	1.3	2.0	1.6	2.7	2.7	2.5	2.9	4.0	5.7	8.8	12.3	15.0	16.2	16.9	31.3
-283		14 19	1.8	2.3	2.2	3.3	3.5	3.2	3.7	4.9	6.5	9.1	12.3	15.2	19.1	21.5	31.8
-284		14 21	1.5	2.4	2.0	2.8	2.7	2.5	3.1	4.2	5.7	8.5	11.8	14.6	16.6	16.4	31.8
-285		14 22	1.9	2.5	2.3	3.2	3.2	3.1	3.3	4.3	5.8	8.3	11.3	13.9	16.1	16.0	31.3
-291		14 44	2.3	2.4	2.2	3.1	3.3	2.8	3.4	4.7	6.3	9.0	12.5	15.4	18.0	18.3	32.2
-292		14 47	2.3	2.6	2.3	3.1	3.5	3.1	3.5	4.8	6.3	8.9	11.7	13.9	17.2	18.7	33.5
-293		14 48	2.2	2.2	1.8	2.6	2.7	2.4	2.9	4.1	5.7	8.5	11.8	14.2	16.4	17.1	33.1
-294		14 50	1.1	1.5	1.4	2.2	2.2	2.1	2.5	3.8	5.6	8.6	12.0	15.8	16.3	15.4	31.4
-295		14 53	1.4	1.7	1.6	2.5	2.5	2.3	2.7	3.9	5.6	8.4	11.3	14.7	16.2	15.8	32.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E6

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-239	24 SEP 80	7 12	10.2	9.2	8.5	9.0	8.0	5.6	4.9	4.4	6.2	3.3	4.9			3.5	6.9
-240		7 13	9.7	8.6	7.9	8.5	7.2	4.8	4.1	3.7	5.7	2.6	4.1			3.4	6.4
-241		7 15	9.6	8.7	7.7	8.0	6.2	3.5	2.2	1.9	3.9	.6	2.1	-1.6		3.4	5.6
-242		7 16	9.4	8.6	7.4	7.6	6.1	3.4	2.1	1.6	3.3	.1	1.9	-1.9		3.3	5.5
-249		7 39	9.3	8.0	7.2	7.2	5.4	3.0	1.4	1.3	3.4	.4	2.0	-1.7		3.2	5.1
-250		7 40	8.7	7.7	6.9	7.5	5.9	3.6	2.7	2.5	4.1	1.3	3.0	-.8		3.2	5.6
-251		7 42	9.0	8.1	7.5	8.1	6.7	4.2	2.8	2.6	4.1	1.4	3.1	-.5	2.1	3.2	5.8
-252		7 43	8.5	7.1	5.9	5.6	3.5	.5	-.7	-.2	1.0	-1.8	-.1	-3.6	-1.7	3.0	3.8
-253		7 45	8.0	6.8	6.4	7.1	5.6	3.2	2.4	2.2	4.1	1.1	2.7			3.0	5.2
-254		7 46	8.2	7.0	6.0	6.3	4.5	1.5	.0	.3	1.5	-1.3	.3	-3.3	-1.1	3.0	4.3
-255		7 48	7.5	6.3	5.5	5.8	4.0	1.3	-.1	.1	1.9	-1.7	.0	-3.4	-.9	2.6	4.0
-256		7 49	7.3	6.0	5.0	5.4	3.7	1.0	-.2	-.1	1.3	-2.2	-.7	-4.5		2.6	3.7
-262		15 17	8.4	7.8	7.3	8.4	8.3	6.6	7.0	7.9	6.6					2.4	6.4
-263		15 18	5.8	4.3	3.1	3.3	2.1	-.2	-1.0	.2		-.8				1.5	3.1
-264		15 24	8.3	7.7	6.5	6.8	6.2	3.5	3.5	4.9	5.7	4.7	7.2	4.2		.8	5.1
-265		15 26	7.1	5.6	2.9	2.6	1.6	-.6	.4	3.5	3.5	2.3	5.0			2.4	3.6
-266		15 28	4.0	1.9	-.2	.2	-.5	-3.1	-3.4	.3	1.2	-2.3	.4	-2.3		1.6	1.4
AA-103-267	25 SEP 80	7 10	9.1	6.4	2.8	.0	-.5	-.8	6.0	4.5	4.6	2.9	5.4	2.2	3.0	5.5	5.2
-268		7 14	8.7	6.2	3.1	.3	-.7	-2.1	3.4	5.1	3.3	1.8	4.0	1.3	2.1	5.3	4.6
-269		7 17	9.3	6.5	2.9	.1	-1.0	-2.3	3.9	4.8	2.5	2.1	4.4	1.9	2.4	5.2	4.7
-270		7 19	9.4	7.3	4.2	1.5	.0	-2.4	.9	4.9	4.3	.6	3.6	1.2	1.9	5.5	4.8
-271		7 22	10.0	7.7	4.4	1.1	-.5	-3.3	-1.4	.4	2.5	.5	2.8	.0	1.5	5.4	3.8
-277		7 50	10.2	7.7	4.1	1.2	-.2	-2.8	-.5	2.3	5.1	1.5	3.4	.3	1.5	5.5	4.7
-278		7 51	9.3	6.6	2.7	-.7	-2.0	-4.1	-.8	3.3	5.2	.8	3.2	.9	1.3	5.3	3.7
AA-104-272		7 30	4.6	3.2	1.4	.5	-1.6	-4.8	-5.6	-4.0	-2.1	-5.2	-2.7	-5.4	-4.5	1.7	.1
-273		7 32	5.4	4.1	2.2	1.0	-1.1	-4.2	-4.7	-2.8	-1.2	-4.6	-1.8	-4.8		1.6	.7
-274		7 34	5.1	3.6	1.5	.1	-2.2	-5.7	-6.1	-4.1	-2.1	-4.7	-1.8	-4.4		1.5	-.1
-275		7 36	4.5	2.9	1.0	-.1	-2.1	-5.3	-5.6	-3.3	-.5		-1.3			1.7	.0
-276		7 38	5.0	3.7	1.5	.3	-1.4	-4.2	-4.4	-1.3	2.3	-1.4	.7	-2.4		2.0	.9
-279		8 0	6.6	5.5	4.4	4.3	3.2	1.0	.4	.7	1.9	-.7				2.3	3.5
-280		8 2	5.8	4.6	3.3	3.1	1.9	-.5	-1.2	-1.0	.1	-3.0				2.1	2.3
AA-103-281	30 SEP 80	14 15	13.2	11.7	9.1	8.3	6.6	3.3	5.0	5.6	5.0	3.9	6.7			6.9	9.0
-282		14 17	15.3	14.4	12.2	11.6	10.1	6.7	8.3	8.8	7.0	6.5	8.9			7.2	11.2
-283		14 19	20.9	20.4	18.6	18.4	17.6	13.9								8.4	14.9
-284		14 21	14.4	12.7	10.1	9.3	7.9	4.6	6.3	6.9	6.9	5.0	8.5			7.4	10.2
-285		14 22	14.1	13.0	11.2	10.4	9.2	6.0	7.4	7.9	7.8	5.5				7.5	10.7
-291		14 44	17.0	16.4	14.2	13.6	12.4	9.1	10.5	11.4	11.3	9.6	12.6			7.9	12.9
-292		14 47	19.3	19.5	18.2	18.6	18.3	14.9	16.2	17.0						8.1	15.0
-293		14 48	16.2	14.8	13.0	12.4	11.4	8.3	10.0	10.6		8.6	12.1			7.2	11.9
-294		14 50	14.0	12.1	9.7	9.0	7.8	4.5	6.5	7.1		5.1	7.9			7.1	10.2
-295		14 53	14.6	12.8	10.8	10.5	9.7	6.8	8.7	9.3		7.1	9.4			7.1	11.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
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ALL DATA LISTED

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DISTANCE 134 M

DATE 02 FEB 87
PAGE D7

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-299	01 OCT 80	7 0	.9	1.7	1.2	1.8	2.4	1.7	3.1	4.8	8.4	14.8	24.7	16.9	13.4	9.3	31.3
-300		7 2	.9	1.4	1.2	1.7	2.3	1.7	3.1	4.7	8.1	14.5	24.6	17.1	13.4	9.0	33.1
-301		7 3	.8	1.5	1.3	1.7	2.4	1.7	3.0	4.9	8.3	14.9	24.9	16.6	12.8	8.1	32.7
-302		7 5	1.2	1.7	1.1	1.7	2.2	1.6	2.8	4.7	8.1	14.6	24.0	15.7	12.2	7.9	30.9
-303		7 7	1.5	1.5	1.2	1.6	2.2	1.5	2.8	4.7	7.8	14.4	24.2	15.7	11.6	7.3	21.5
-309		7 32	1.4	2.0	1.6	2.6	2.1	2.3	3.1	4.8	8.1	14.9	24.2	17.1	13.5	11.0	34.1
-310		7 33	1.5	2.1	1.8	2.6	2.2	2.3	3.1	4.8	8.1	15.1	24.5	17.1	13.4	10.2	32.3
-311		7 35	1.5	2.3	1.7	2.6	2.3	2.3	3.2	4.7	8.1	14.8	24.4	17.3	13.7	10.4	32.3
-312		7 36	1.7	2.3	1.8	2.5	2.3	2.2	3.0	4.5	7.9	14.6	24.3	17.6	13.8	10.4	31.8
-313		7 38	1.6	2.1	1.7	2.6	2.1	2.3	3.1	4.7	8.0	14.4	24.1	16.8	12.9	9.3	32.3
-319		7 59	1.5	2.3	2.1	2.8	2.5	2.3	3.0	4.5	7.3	12.6	19.1	16.6	13.8	10.6	35.8
-320		8 0	1.6	2.4	1.9	2.8	2.5	2.5	3.1	4.6	7.3	12.5	19.0	16.7	14.4	11.3	32.7
-321		8 1	1.7	2.4	2.0	2.8	2.6	2.6	3.3	4.7	7.3	12.4	18.6	16.9	14.6	11.6	33.2
-322		8 3	1.7	2.4	2.1	2.8	2.5	2.6	3.3	4.7	7.2	12.2	18.3	17.0	14.6	11.7	33.6
-323		8 8	1.9	2.6	2.2	2.7	2.7	2.5	3.2	4.6	7.3	12.3	18.5	16.8	14.3	11.3	32.3
AA-104-304		7 17	.8	.1	-.6	-.4	.6	-.8	-.6	1.1	5.0	12.4	19.3	7.8	5.7	3.6	31.7
-305		7 19	.3	-.2	-.6	-.7	.2	-1.3	-.9	.8	4.8	11.9	18.8	7.4	7.0	5.5	31.3
-306		7 21	-.3	-.6	-.9	-.6	.5	-.8	-.8	.9	5.0	12.1	18.5	6.6	4.3	2.5	31.3
-307		7 22	.1	-.2	-.6	-.4	.5	-1.0	-.9	1.0	5.7	13.6	18.9	7.0	4.6	2.2	32.6
-308		7 24	.1	-.3	-.5	-.2	.6	-.8	-.8	1.0	5.5	12.6	20.5	8.9	5.9	3.6	31.7
-314		7 44	.1	-.3	-.5	-.3	.7	-.7	-.6	1.3	5.1	12.1	19.2	8.0	5.9	3.7	31.7
-315		7 46	.3	.0	-.5	-.1	.8	-.7	-.3	1.5	5.1	11.9	19.8	8.5	6.6	4.7	31.7
-316		7 47	-.1	-.2	-.7	-.6	.3	-1.1	-.9	.8	4.6	11.4	19.7	8.2	5.4	4.5	31.3
-317		7 49	-.1	-.1	-.8	-.3	.4	-1.0	-.6	.8	4.4	11.0	20.0	10.0	6.9	4.4	31.3
-318		7 50	-.2	-.3	-.6	-.5	.6	-.8	-.6	.9	4.5	10.9	19.4	10.2	8.3	6.6	33.5
-324		8 15	.6	.3	-.3	.2	1.4	-.2	.2	1.7	4.6	10.1	17.8	11.2	9.0	7.5	33.5
-325		8 17	.0	.0	-.5	-.2	.9	-.8	-.4	1.1	4.5	10.7	19.0	10.4	7.7	6.2	33.5
-326		8 18	.0	.0	-.4	.0	1.1	-.5	-.2	1.2	4.5	10.5	18.8	12.1	9.2	7.9	32.6
-327		8 20	.2	.0	-.6	.0	1.1	-.5	-.1	1.5	4.6	10.2	18.1	12.4	10.6	10.5	31.7
-328		8 22	.4	.6	.1	.5	1.6	.1	.2	1.7	4.8	10.7	19.1	13.7	10.4	8.8	30.4
-329		8 24	-.2	-.1	-.6	-.1	.9	-.5	-.4	1.0	4.2	10.1	17.9	12.3	9.1	7.3	33.5
AA-105-330	16 DEC 80	7 29	2.0	1.1	1.1	1.6	2.1	-.3	.7	2.3	4.2	8.7	13.8	20.2	16.4	13.1	30.4
-331		7 31	2.0	1.3	1.2	1.8	2.3	-.2	1.1	2.7	4.4	8.4	12.8	20.9	18.9	15.7	45.6
-332		7 34	2.1	1.3	1.3	1.6	2.2	-.2	.9	2.3	3.8	7.7	12.2	20.3	17.6	14.7	32.6
-333		7 36	2.4	1.7	1.6	2.0	2.4	-.1	1.2	2.4	3.9	7.5	11.4	19.4	18.4	15.2	34.0
-334		7 39	1.9	1.5	1.3	1.8	2.7	.3	1.7	3.3	4.8	8.3	11.7	18.8	21.4	19.1	34.4
-335		7 41	2.4	1.9	1.9	2.4	3.2	1.1	2.3	3.9	5.3	8.9	12.5	20.2	20.9	18.1	33.5
AA-106-336		7 51	3.4	2.9	2.7	3.1	3.1	1.4	1.6	2.5	4.4	6.8	8.8	9.6	12.4	12.2	32.7
-337		7 53	2.7	3.1	2.7	3.3	3.0	1.5	1.6	2.6	4.5	6.7	8.5	9.3	11.9	12.2	34.0
-338		7 56	2.9	2.8	2.9	3.4	3.2	1.6	1.7	2.7	4.5	7.0	8.6	9.0	11.6	12.4	37.6
-339		8 7	3.0	3.2	2.8	3.1	3.1	1.4	1.4	2.2	4.1	6.6	8.4	9.4	11.7	11.6	33.1
-340		8 9	4.1	2.9	2.8	3.2	3.1	1.5	1.8	2.5	4.5	6.9	[illegible].4	8.6	10.9	12.4	35.3
-341		8 11	3.4	2.9	2.7	3.0	3.0	1.1	1.4	2.3	4.2	6.6	8.3	8.6	10.8	11.7	33.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E7

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-299	01 OCT 80	7 0	4.3	.0	-3.0	2.7	5.3	3.1	9.1	9.2	8.6	7.2	8.7	4.8	5.7	6.4	5.1
-300		7 2	3.4	-1.0	-3.6	1.8	3.3	2.3	8.6	9.3	9.7	9.4	11.4	8.7	8.9	6.2	4.6
-301		7 3	2.4	-1.8	-4.1	1.7	3.1	2.8	7.2	9.3	8.3	7.9	9.7	7.1	7.7	6.1	4.1
-302		7 5	2.7	-1.2	-4.1	.5	2.9	2.1	5.5	9.1	8.0	7.2	9.4	6.4	7.2	5.8	3.7
-303		7 7	2.1	-1.6	-4.3	-.3	2.7	1.1	5.0	7.8	7.8	6.4	9.1	6.8	7.5	5.5	3.2
-309		7 32	7.1	3.7	-.5	-1.1	3.8	6.4	4.5	7.4	4.9	4.2	6.3	1.8	2.8	6.6	5.3
-310		7 33	5.8	2.1	-2.4	-2.3	4.8	3.8	5.0	9.0	6.4	6.1	8.0	4.0	4.7	6.3	4.5
-311		7 35	5.7	1.3	-3.4	-2.4	5.1	2.2	4.8	9.4	7.8	6.8	9.3	6.0	6.3	6.3	4.4
-312		7 36	5.4	1.0	-3.4	-2.0	4.3	1.1	5.7	9.7	9.1	8.0	10.9	7.6		6.1	4.3
-313		7 38	4.4	.2	-3.8	-2.2	4.4	1.0	4.9	9.1	7.8	6.9	9.6	6.5	6.6	5.9	3.8
-319		7 59	7.0	3.7	-.9	-3.2	-2.3	-2.3	3.8	5.0	3.2	2.4	5.2	2.7	3.4	5.8	3.2
-320		8 0	7.8	4.5	.0	-2.6	-2.4	-3.0	2.7	5.7	3.2	1.9	4.8	2.3	3.1	5.9	3.3
-321		8 1	8.3	5.3	.9	-2.1	-2.3	-3.4	1.2	5.7	3.9	1.6	4.7	2.7	2.9	6.0	3.4
-322		8 3	8.3	5.5	1.1	-1.6	-2.2	-3.5	.4	4.8	4.5	1.5	4.1	2.2	2.4	6.0	3.5
-323		8 8	7.9	4.8	.6	-2.1	-2.3	-3.3	1.6	5.4	3.5	1.7	4.6	2.3	2.8	5.9	3.4
AA-104-304		7 17	2.0	-.9	-2.7	-3.2	-1.5	.7	-1.0	.7	1.7	.0		-1.8	.0	1.8	.1
-305		7 19	4.1	.6	-1.9	-3.1	-1.2	2.0	2.8	1.8	2.5	1.8	3.5	-.1	1.7	1.9	1.3
-306		7 21	1.2	-1.2	-2.7	-3.4	-2.3	-.1	.2	.2	.9	-.6	1.3	-2.8	-.8	1.7	-.2
-307		7 22	.3	-2.8	-4.0	-2.4	-1.5	-2.8	-.3	2.1	2.3	1.7	3.3	-.2	1.8	1.7	-.5
-308		7 24	1.9	-1.0	-2.4	-1.6	.4	-1.1	-.6	2.6	2.8	1.6	3.0	-.8	.4	2.0	.6
-314		7 44	2.4	-.9	-2.7	-1.9	2.6	-2.4	-.4	2.1	1.4	1.1	4.1	.2	1.9	2.1	.5
-315		7 46	3.7	.8	-1.4	-3.0	-2.9	-.9	1.5	1.3	1.2	-.4	1.3			2.2	.5
-316		7 47	3.4	.9	-.6	-.7	1.0	2.4	1.8	3.0	3.5	2.6	4.3			2.0	1.8
-317		7 49	2.8	.1	-1.0	-.5	.9	-.3	-.4	2.0	2.0	.4	2.4	-1.6	-.5	2.0	1.2
-318		7 50	4.8	1.1	-1.0	-1.2	.0	-1.3	-.7	2.3	2.7	2.1	4.2	.0	1.8	2.1	1.2
-324		8 15	6.1	3.5	1.6	.1	-2.0	-4.6	-2.6	1.8	3.0	.1	2.7	-.3	.9	2.7	1.4
-325		8 17	4.6	1.3	-.8	-1.8	-2.9	-3.0	1.7	1.5	1.4	1.2	2.8	-1.3	.6	2.1	.7
-326		8 18	6.5	4.0	2.0	.8	-.7	-1.9	1.5	3.9	3.2	2.5	4.3	.7	1.9	2.5	2.4
-327		8 20	9.1	6.2	3.7	1.4	-.6	-2.5	.7	5.1	2.9	3.0	5.4	1.5	3.0	2.8	3.0
-328		8 22	7.5	4.4	2.1	1.2	-.4	-1.6	1.4	4.1	3.3	2.5	4.6	.6	1.4	3.0	2.6
-329		8 24	6.0	2.9	1.0	.2	-1.2	-2.7	-.5	2.9	3.3	1.7	3.7	.5	1.9	2.3	1.7
AA-105-330	16 DEC 80	7 29	9.4	4.9	1.9	-.2	1.4	3.7	1.6	5.1	4.3	2.2	3.9	-2.5	-1.4	4.9	5.4
-331		7 31	12.7	9.2	6.6	3.9	3.7	5.8	4.7	6.9	7.2	4.9	7.0	.1	-.3	5.4	8.0
-332		7 34	10.6	5.8	3.0	1.0	1.0	3.0	2.1	3.7	3.4	1.9	3.0	-3.9	-4.2	4.7	5.5
-333		7 36	12.6	8.9	5.8	2.8	1.1	1.5	4.8	4.3	4.3	3.6	5.5	-.8	-.7	4.9	6.5
-334		7 39	16.1	12.4	10.3	7.1	4.2	3.1	4.6	7.3	7.0	6.0	7.7	.9		6.0	9.0
-335		7 41	15.1	11.2	7.9	4.3	3.1	3.3	4.8	6.8	6.7	5.2	7.4	.7		6.4	8.3
AA-106-336		7 51	10.9	8.8	9.0	9.7	8.3	7.7	6.7	7.1	6.8	7.1	6.4			4.6	7.7
-337		7 53	11.4	9.8	10.4	11.7	11.2	10.7	10.1	10.6	9.9	8.9				4.7	8.8
-338		7 56	12.3	11.1	11.7	13.7	14.1	14.0	13.8	14.7	14.6					4.9	9.7
-339		8 7	10.7	9.0	9.3	10.4	10.1	10.0	9.9	11.0	10.6					4.4	8.3
-340		8 9	12.1	11.6	12.9	14.0	13.5	13.6	13.3	13.6	13.1					4.7	9.4
-341		8 11	11.5	10.8	12.0	13.2	13.2	13.6	13.9	14.3	14.9					4.5	9.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-342	17 DEC 80	8 2	1.9	.2	1.2	1.7	2.2	.0	.7	2.2	4.2	9.3	17.4	17.7	13.8	10.3	34.4
-343		8 8	1.6	1.3	1.3	1.9	2.4	.0	.7	2.1	4.2	9.4	17.4	19.4	15.4	12.0	34.4
-344		8 10	1.8	1.3	1.2	1.8	2.3	.0	.6	2.1	4.3	9.5	18.1	18.8	14.8	11.3	35.3
-345		8 12	1.6	1.3	1.2	1.8	2.2	-.1	.5	2.1	4.4	9.7	18.8	19.3	15.2	11.0	44.7
-346		8 14	1.7	1.2	1.3	1.7	2.2	-.2	.5	2.0	4.3	9.9	19.1	18.9	15.2	11.3	34.9
-354		13 13	2.1	1.2	1.1	1.8	2.6	.3	1.0	2.5	3.6	6.1	8.4	10.6	16.2	18.3	49.2
-355		13 17	2.3	1.3	1.3	2.1	2.8	.7	1.5	2.8	3.9	6.5	8.5	10.5	15.6	19.1	35.7
-356		13 18	2.1	1.3	1.2	1.8	2.6	.5	1.1	2.4	3.5	6.0	7.9	9.8	15.0	17.4	34.4
-357		13 20	2.2	1.3	1.1	1.8	2.6	.5	1.2	2.7	3.8	6.3	8.6	10.9	16.8	20.2	34.5
-358		13 22	2.2	1.8	1.5	2.2	3.1	1.0	1.9	3.2	4.3	6.8	8.9	11.1	16.8	20.0	34.6
-359		13 23	2.1	1.1	1.0	1.8	2.6	.5	1.2	2.5	3.6	6.2	8.1	9.8	15.0	17.9	35.3
AA-106-360		13 42	-1.7	.0	.5	.9	1.1	-.5	-.9	-.1	2.1	4.9	9.3	11.7	8.2	6.8	33.2
-361		13 45	-1.2	.0	.4	.8	1.0	-.6	-1.1	-.1	2.2	5.0	8.6	12.1	8.6	7.7	34.5
-362		13 50	-1.6	.0	.1	.6	.8	-.9	-1.3	-.4	2.0	4.9	9.4	12.0	8.5	7.9	32.3
-363		13 54	-1.0	.4	.6	1.2	1.3	.0	-.8	.1	2.4	5.0	8.8	13.4	10.6	9.5	29.6
-364		13 57	-.9	.3	.6	1.1	1.5	-.4	-.9	.0	2.5	5.5	9.9	12.1	8.2	7.8	34.5
-365		14 1	-.6	.6	.5	.9	1.5	-.4	-.9	-.1	2.4	5.4	9.5	12.2	7.9	5.7	34.5
-366		14 6		.4	.8	.9	1.1	-.6	-.9	-.2	2.4	5.5	10.1	11.7	6.9	4.7	33.6
AA-105-367	08 JAN 81	10 30	1.1	-.1	.6	1.7	4.3	3.6	9.0	13.8	14.7	13.9	11.0	7.2	6.7	5.3	35.7
-368		10 31	1.1	.0	.6	1.4	4.0	3.3	8.8	14.0	14.8	14.2	11.5	8.7	8.3	7.5	37.1
-369		10 34	1.1	.0	.7	1.6	4.3	3.5	8.9	14.3	15.7	15.0	12.3	8.8	8.1	7.0	34.4
-370		10 35	.7	.0	.5	1.5	4.0	3.4	8.9	14.0	14.9	13.9	11.1	7.9	7.3	6.2	35.8
-371		10 37	1.0	.1	.7	1.6	4.1	3.4	8.8	13.9	15.0	14.0	11.0	7.1	6.3	5.6	35.3
-372		10 39	.5	.1	.7	1.5	3.9	3.1	8.5	13.7	15.0	14.2	10.6	7.5	7.1	6.2	34.4
-373		10 41	1.0	.3	.9	1.6	3.9	3.3	8.6	13.9	14.6	13.3	10.5	6.7	5.6	4.4	35.3
-374		10 43	1.0	.4	1.2	2.2	4.6	3.9	9.0	14.5	16.2	15.9	13.7	9.6	8.6	7.4	34.4
-375		10 45	1.0	.1	1.0	1.9	4.2	3.6	8.7	13.9	15.4	14.3	11.4	7.9	7.8	7.0	36.7
-376		10 46	1.1	.4	1.0	1.9	4.6	3.8	8.9	14.2	15.6	15.1	12.5	9.1	8.2	7.3	36.2
-377		10 48	1.1	.2	.8	1.9	4.2	3.7	8.9	14.3	16.0	15.1	12.5	9.8	9.5	9.1	34.0
AA-105-378	09 JAN 81	8 48	.8	.1	.6	1.5	4.4	3.7	8.8	14.1	15.5	15.0	11.8	8.6	7.6	6.5	35.8
-379		8 50	1.2	.3	.8	1.8	4.6	4.1	9.2	14.0	15.1	14.2	11.1	8.1	7.0	5.6	35.3
-380		8 51	1.0	.2	.8	1.8	4.6	4.1	9.3	14.0	15.0	14.0	10.6	7.6	6.3	5.1	35.4
-381		8 52	1.1	.2	.9	2.0	4.6	4.0	9.0	14.1	15.7	15.0	11.8	9.0	7.7	6.3	36.7
-382		8 57	.3	.1	.8	1.6	4.5	3.8	8.6	13.2	14.1	13.6	10.2	7.7	6.3	5.3	35.4
-383		8 58	.2	-.1	.7	1.9	4.7	4.1	8.7	13.6	15.0	14.2	10.9	8.5	6.9	5.7	36.3
-384		8 59	.6	.3	1.1	2.1	4.8	4.2	8.8	14.1	15.5	14.8	11.3	8.5	7.0	5.7	37.2
-385		9 1	.4	.2	.7	2.0	4.5	4.1	8.6	13.3	14.2	13.7	10.2	7.5	5.6	4.5	35.4
-386		9 2	.2	.0	.6	1.8	4.5	4.0	8.5	12.8	13.7	12.7	9.1	6.3	4.8	3.7	37.2
-387		9 3	.3	.2	.9	1.9	4.7	4.2	9.1	14.1	15.3	14.4	10.7	7.9	6.3	5.2	39.4
-388		14 9	-1.1	-.3	.3	1.5	4.2	3.9	9.0	14.5	16.6	16.8	13.4	10.7	9.2	8.8	34.9
-389		14 12	.2	.3	.7	1.7	4.3	3.9	8.9	14.2	16.2	16.1	12.8	11.1	10.4	9.9	35.8
-390		14 14	-.2	.0	.3	1.5	3.9	3.5	8.5	13.8	16.3	16.4	13.0	10.8	9.9	9.5	31.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-D01

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E8

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-342	17 DEC 80	8 2	8.0	4.1	.7	-1.8	-1.4	-.1	3.7	3.1	2.1	.8	1.3	-5.1	-.3	4.4	3.6
-343		8 8	8.8	4.1	.0	-1.7	.4	3.7	4.2	3.8	3.9	.8	2.2	-4.6	-.5	4.8	4.6
-344		8 10	7.7	2.2	-2.1	-2.3	1.8	5.4	3.3	4.3	5.2	1.2	2.7	-3.7	.4	4.7	4.4
-345		8 12	6.5	.8	-3.0	-1.0	6.2	1.3	1.9	5.3	2.1	1.1	2.3	-4.0	.0	4.6	3.9
-346		8 14	7.1	1.3	-2.4	-.3	6.4	2.5	3.6	6.9	5.0	2.9	3.9	-2.4	1.9	4.8	4.8
-354		13 13	17.9	16.8	16.8	16.1	15.2	13.3	13.2	14.6	14.4	13.7	15.8			5.9	12.8
-355		13 17	19.6	18.3	18.6	19.2	19.3	17.8	18.1	19.5	19.5	19.1				6.2	14.0
-356		13 18	17.3	16.2	17.0	16.9	17.1	14.9	15.4	17.0	14.8	15.1				5.9	12.9
-357		13 20	20.0	18.4	18.5	18.4	17.9	15.8	15.9	17.6	16.9	15.7				6.3	14.0
-358		13 22	20.8	19.8	20.2	19.9	19.0	17.0	17.2	18.8	18.0	17.2				6.5	14.2
-359		13 23	18.9	18.0	18.4	18.3	17.9	16.2	16.7	18.2	18.3	17.9				5.7	13.2
AA-106-360		13 42	4.5	.8	.1	.3	-.4	.2	.5	1.0	1.4	.8	-.7	-4.7	-3.7	1.8	1.9
-361		13 45	5.8	2.4	1.2	.3	-2.1	-1.1	1.8	1.2	1.7	.7	-1.1	-4.8	-4.0	1.8	1.9
-362		13 50	5.8	2.3	1.5	1.3	.0	1.9	2.2	2.0	2.5	1.9	.4	-3.3	-2.4	1.7	2.7
-363		13 54	7.9	4.6	3.9	4.1	2.5	2.8	3.4	4.2	5.0	4.6	3.5	-.5	.9	2.2	4.3
-364		13 57	6.2	2.3	.9	.5	-.8	1.8	1.3	1.4	1.3	.8	-1.1	-4.9	-3.8	2.1	2.5
-365		14 1	2.8	-.8	-1.0	-.2	-1.2	-.7	-.7	.6	.3	-.4	-1.8	-5.4	-4.6	1.8	1.2
-366		14 6	2.9	-.2	.0	1.3	.8	.8	1.6	3.2	2.4	1.3	.3	-3.3	-2.6	1.8	2.3
AA-105-367	08 JAN 81	10 30	3.6	2.4	1.4	-.1	-1.4	-1.8	-.3	.5	-.2	-.1	1.7	-1.2	2.1	5.3	1.8
-368		10 31	5.7	4.2	3.1	1.3	-.4	-1.2	.0	2.2	2.2	.7	3.9	.0	3.2	6.3	3.3
-369		10 34	5.3	4.1	3.1	1.3	-.6	-1.0	.3	1.5	1.4	1.5	3.1	.3	3.3	6.3	3.2
-370		10 35	4.8	3.7	2.6	.7	-.9	-1.7	-.8	1.1	1.2	.4	3.1	-.5	2.7	6.0	2.7
-371		10 37	4.3	3.2	2.2	.4	-1.2	-1.8	-.4	1.2	.1	.2	2.3	-.7	2.3	5.7	2.3
-372		10 39	4.8	3.7	2.6	1.1	-.5	-1.6	-1.3	-.2	.9	-.3	1.0	-1.9	.9	5.7	2.5
-373		10 41	3.2	2.7	2.0	.7	-.8	-1.3	-1.0	-.2	-.1	-.2	1.1	-2.0	1.2	5.3	2.0
-374		10 43	5.8	4.6	3.5	1.9	.5	.4	2.5	2.7	1.3	1.9	3.6	.4	3.5	6.8	3.9
-375		10 45	5.1	3.6	2.5	.8	-.5	-.7	.4	.9	1.0	1.2	3.1	-.3	2.9	6.1	2.9
-376		10 46	5.4	4.0	2.8	1.2	-.1	-.6	.8	1.2	1.0	2.0	3.2	.2	3.4	6.4	3.2
-377		10 48	7.5	5.5	4.0	2.3	.5	-.5	.0	.7	2.1	1.9	2.3	-.2	3.1	6.9	4.0
AA-105-378	09 JAN 81	8 48	4.6	3.5	2.8	1.2	-1.0	-2.7	-3.3	-2.3	.1	.0	.7	-2.1	2.1	5.2	2.3
-379		8 50	3.5	2.4	1.6	.3	-1.6	-2.9	-2.7	-.7	.6	-1.5	.8	-2.6	1.6	4.9	1.7
-380		8 51	3.1	2.3	1.4	.2	-1.6	-2.9	-2.6	-.4	.3	-1.5	.9	-2.6	1.9	4.6	1.5
-381		8 52	4.2	3.3	2.7	1.5	-.4	-2.0	-2.2	-1.0	.4	-.2	1.0	-2.3	2.2	5.3	2.5
-382		8 57	3.7	3.0	2.5	1.8	-.2	-1.7	-2.8	-3.1	-3.5	-1.4	.7	-2.5	2.0	4.9	2.1
-383		8 58	4.1	3.2	2.7	1.8	-.3	-1.9	-2.9	-2.6	-2.3	.3	1.7	-2.2	2.9	5.1	2.3
-384		8 59	4.0	2.8	2.0	.9	-1.2	-2.5	-3.0	-1.8	-.8	-.3	1.1	-2.2	2.5	5.1	2.0
-385		9 1	3.0	2.2	1.8	1.1	-1.0	-2.4	-3.5	-3.5	-3.7	-1.6	.8	-2.3	2.1	4.6	1.4
-386		9 2	2.4	1.2	.3	-1.4	-3.6	-4.4	-4.3	-2.9	-1.5	-.7	1.4		2.5	4.3	.7
-387		9 3	3.3	2.2	1.5	.5	-1.4	-2.5	-2.1	.0	-.8	-1.4	1.2	-2.8	2.1	4.9	1.9
-388		14 9	7.4	7.3	7.0	7.4	6.4	4.7	4.9	4.6	4.0	3.6	5.1	.8	2.2	7.9	7.0
-389		14 12	9.4	9.7	9.6	9.6	8.3	6.2	6.2	5.9	5.6	5.4	7.5	4.2	5.1	8.6	8.9
-390		14 14	8.1	8.1	8.4	9.1	8.7	7.1	7.0	6.8	6.1	6.1	7.2			8.3	8.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE D9

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-392	09 JAN 81	14 42	-1.7	-1.8	-2.6	-2.1	-.8	-1.6	2.7	11.4	15.7	10.9	6.3	4.1	2.7	1.6	37.6
-393		14 44	-1.6	-1.9	-2.7	-2.4	-1.0	-1.7	2.9	11.2	15.6	10.9	6.4	4.0	2.3	1.1	41.2
-394		14 45	-1.9	-2.0	-2.7	-2.3	-.9	-1.6	2.8	11.2	14.9	10.0	5.5	3.2	2.0	.8	37.6
-395		14 47	.8	.7	.1	.3	1.9	1.4	5.6	14.0	18.1	13.6	8.7	6.5	5.1	4.1	35.4
-396		14 49	1.0	.8	.1	.4	1.9	1.2	5.7	14.0	17.5	12.6	7.7	5.7	4.4	3.3	36.3
-397		14 50	1.1	.8	.1	.5	2.0	1.5	5.6	14.2	17.9	13.2	8.5	6.4	5.0	3.8	38.5
-398		14 52	1.0	.7	.1	.3	1.8	1.3	5.6	13.9	17.8	13.2	8.3	6.2	4.7	3.7	36.3
AA-105-399	13 JAN 81	8 7	.4	.3	.8	2.2	5.7	4.8	8.8	12.2	14.2	15.1	12.8	11.5	10.9	9.9	36.2
-400		8 11	.3	.3	.8	2.0	5.7	4.9	8.7	12.0	13.8	14.4	12.2	11.0	10.4	9.5	36.2
-401		8 13	.5	.3	1.0	2.2	5.7	4.8	8.8	12.2	14.1	15.2	13.1	12.0	11.7	10.6	35.3
-402		8 14	.3	.4	1.0	2.3	5.8	4.8	8.8	12.2	14.1	15.3	13.3	12.0	11.5	10.4	34.4
-407		8 35	.3	.7	1.0	2.4	5.8	4.9	8.7	12.2	14.1	15.1	13.1	12.0	11.4	10.6	35.8
-408		8 37	.1	.4	.9	2.3	5.6	4.7	8.5	11.8	13.7	14.8	13.0	11.9	11.5	11.0	35.4
-409		8 38	.1	.3	.8	2.3	5.6	4.8	8.4	11.8	13.5	14.6	12.9	11.6	11.2	10.6	37.2
-413		13 7	2.3	.9	1.5	2.8	6.3	5.1	9.5	12.8	14.8	16.2	14.7	12.3	12.3	10.9	37.1
-414		13 11	2.1	1.0	1.5	2.7	6.1	5.0	9.6	12.8	14.4	15.3	13.5	11.5	11.6	10.3	35.3
-415		13 14	2.1	1.1	1.5	2.7	6.1	4.9	9.3	12.3	14.1	15.1	13.5	11.7	11.8	10.9	34.9
-416		13 16	1.9	1.0	1.4	2.8	6.1	4.9	9.4	12.5	14.4	15.5	14.0	12.2	12.5	11.6	35.3
-417		13 18	2.2	1.1	1.5	2.8	6.1	5.1	9.4	12.5	14.4	15.6	14.1	12.2	12.4	11.3	36.7
AA-106-418		13 31	-1.4	-1.5	-2.7	-1.9	.3	-1.2	2.9	9.2	12.0	10.0	6.9	4.4	3.6	2.7	34.5
AA-105-424	15 JAN 81	8 19	2.6	2.0	2.4	3.2	6.0	6.5	12.2	17.2	18.7	17.9	13.8	11.2	11.1	9.4	34.4
-425		8 21	2.9	2.1	2.4	3.2	6.0	6.8	13.0	18.3	20.2	19.7	16.4	13.3	12.0	9.8	35.3
-426		8 22	3.0	2.2	2.6	3.4	6.3	6.9	12.9	18.4	20.6	19.5	15.1	12.1	10.7	8.0	35.3
-427		8 23	3.1	2.5	2.8	3.6	6.6	7.3	13.0	18.4	19.9	19.3	15.7	13.3	12.2	9.9	36.2
-428		8 25	2.9	2.1	2.3	2.9	6.0	6.9	12.7	17.6	18.4	17.2	13.2	10.2	9.8	7.9	34.4
AA-106-429		8 33	-1.4	-1.6	-2.7	-2.1	-.5	-1.7	2.2	13.0	14.2	9.2	7.1	4.9	4.0	3.4	35.4
-430		8 34	-1.5	-1.5	-2.6	-2.1	-.5	-1.6	2.2	12.9	14.5	9.5	7.5	5.3	4.5	3.7	35.9
-431		8 36	-1.8	-1.7	-2.8	-2.1	-.8	-1.8	2.2	12.6	13.8	9.0	7.2	5.0	4.0	3.4	34.1
-432		8 37	-1.9	-1.7	-2.7	-2.1	-.6	-1.8	2.4	12.8	14.3	9.4	7.2	4.8	3.8	3.2	34.5
-433		8 39	-1.7	-1.7	-2.7	-2.0	-.5	-1.7	2.4	13.0	14.0	9.2	7.1	4.7	3.6	2.8	38.1
AA-105-434	03 FEB 81	9 16	1.7	1.3	1.9	1.8	3.5	1.1	2.1	3.7	6.9	11.0	13.2	15.7	16.5	16.7	40.7
-435		9 26	1.6	1.3	1.8	1.4	3.0	.7	1.5	3.2	6.4	11.1	13.8	15.3	15.2	14.6	36.3
-436		9 28	1.6	1.2	2.0	1.6	3.3	1.2	2.0	3.6	6.9	11.2	13.5	16.2	17.4	17.1	34.5
-437		9 29	1.5	.8	1.5	1.2	3.1	.5	1.6	3.2	6.6	10.5	12.2	14.1	14.9	15.5	35.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E9

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-392	09 JAN 81	14 42	.7	.5	.0	-1.0	-3.1	-5.0	-5.1	-3.5	-2.4	-3.3	-2.3	-3.8	-3.0	.6	-1.5
-393		14 44	-.1	-.4	-.8	-2.1	-4.7	-6.6	-5.2	-2.9	-3.0	-4.6	-2.8	-4.5	-3.8	.0	-2.4
-394		14 45	-.2	-.2	-.2	-1.0	-4.0	-6.2	-6.2	-4.6	-2.9	-4.1	-3.6	-4.6	-3.7	.1	-2.2
-395		14 47	3.5	2.6	1.6	.6	-1.8	-3.7	-2.8	-.7	.6	-.6	-.4	-1.6	-.8	2.9	.4
-396		14 49	2.1	1.8	1.6	1.1	-1.8	-3.9	-3.5	-2.1	-.9	-1.5	-1.2	-2.5	-1.7	2.5	.1
-397		14 50	2.5	1.9	1.4	.7	-2.1	-3.6	-2.4	-.7	-.7	-1.4	-.1	-1.6	-.5	2.7	.2
-398		14 52	1.9	1.8	1.8	1.0	-1.9	-3.5	-2.8	-.7	-.1	-1.6	.0	-1.3	-.3	2.7	.3
AA-105-399	13 JAN 81	8 7	8.9	9.0	8.6	8.1	6.2	3.6	2.9	2.2	1.1	1.0	2.0	-2.5	.7	8.8	6.9
-400		8 11	8.7	9.1	9.1	8.5	6.7	4.4	3.9	3.4	2.4	2.4	3.5	-1.0	1.4	8.9	7.4
-401		8 13	9.8	9.8	9.5	8.9	7.0	4.6	3.9	3.2	2.3	2.2	3.3	-.8	2.2	9.3	7.8
-402		8 14	9.6	9.9	9.9	9.6	7.7	5.3	5.2	4.6	3.6	3.6	4.9	.7	3.6	9.4	8.5
-407		8 35	9.6	10.0	9.8	10.1	8.8	6.7	6.5	6.0	4.7	4.7	6.0	1.1	4.0	9.5	9.1
-408		8 37	10.2	10.5	10.4	10.8	9.7	7.4	6.9	6.4	5.4	5.8	7.0	2.4	5.0	9.5	9.7
-409		8 38	10.1	10.5	10.4	10.6	9.7	7.7	7.5	7.1	6.3	6.6	7.5	2.8	4.9	9.5	9.8
-413		13 7	9.8	10.9	11.3	11.1	10.4	8.7	8.1	7.1	8.6	6.0	7.2	3.1	3.0	10.3	10.3
-414		13 11	9.8	10.3	10.6	10.5	9.7	7.8	7.1	6.1	7.0	4.3	5.6	1.4	1.4	9.9	9.6
-415		13 14	10.8	12.2	13.2	13.7	13.1	11.3	10.8	10.1	11.5	9.4	10.7	4.8		10.4	12.0
-416		13 16	11.4	12.7	13.6	14.1	13.8	12.5	12.0	11.4	12.5	10.9	12.6	7.0		10.8	12.7
-417		13 18	10.8	11.9	12.4	12.7	12.2	10.8	10.7	10.1	11.3	9.8	11.5	6.8		10.5	11.8
AA-106-418		13 31	2.0	.9	.7	.2	-2.1	-2.6	-.7	.6	1.1	.7	2.8	.2	1.6	2.0	.4
AA-105-424	15 JAN 81	8 19	7.5	7.1	7.4	7.5	5.8	2.5	1.4	1.2	1.6	.4	2.0	-1.5	-1.3	9.3	6.3
-425		8 21	7.1	6.0	5.7	5.1	3.3	.3	.4	1.2	1.9	.8	2.1	-2.1	-3.2	9.0	5.3
-426		8 22	5.5	4.6	4.3	3.7	2.0	-.4	.3	1.0	1.5	.3	.7	-3.9	-4.4	8.2	4.1
-427		8 23	7.2	6.0	6.1	6.3	4.7	1.7	1.6	2.5	3.0	1.9	3.7	-1.2	-3.5	9.6	6.2
-428		8 25	5.4	4.3	3.9	3.7	2.3	.6	.9	1.0	1.7	.0	1.9	-3.4	-4.9	8.2	4.4
AA-106-429		8 33	2.0	1.5	.9	-.9	-2.8	-4.2	-5.4	-4.5	-2.3	-2.2	.0	-2.3	-.7	.6	-.9
-430		8 34	2.4	1.9	1.0	-.8	-2.4	-3.9	-4.6	-3.6	-1.0	-1.5	.7	-1.5	.0	.9	-.5
-431		8 36	1.9	1.2	1.0	-.6	-2.8	-4.2	-5.0	-4.1	-2.4	-2.6	-.5	-2.7	-1.3	.6	-.8
-432		8 37	1.6	.9	.3	-1.4	-3.6	-5.0	-5.2	-3.7	-.9	-1.3	.2	-1.6	.0	.5	-1.1
-433		8 39	1.4	.8	.0	-1.5	-3.1	-4.6	-5.2	-3.6	-.9	-1.9	-.1	-1.9	-.6	.5	-1.1
AA-105-434	03 FEB 81	9 16	16.3	16.9	17.4	18.0	17.8	16.7	17.1	16.8	15.6	13.9	14.2			7.2	14.3
-435		9 26	14.0	13.9	14.5	15.1	14.5	13.3	13.8	13.5	13.0	11.7	11.9			6.6	12.7
-436		9 28	16.1	16.8	16.9	17.0	16.5	15.6	16.1	15.8	14.6	14.1	14.2			7.1	14.2
-437		9 29	15.8	16.9	17.1	17.5	16.6	15.3	15.7	15.0	13.1	12.8				6.1	13.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-441	04 FEB 81	8 22	2.6	2.3	2.3	2.0	3.5	1.3	2.8	4.7	8.2	13.5	17.6	17.2	15.8	15.1	36.2
-442		8 23	2.8	2.1	2.2	2.0	3.4	1.1	2.6	4.8	8.4	13.8	18.3	17.8	16.8	16.6	36.7
-443		8 27	3.8	3.0	3.3	3.3	4.6	2.3	4.2	6.1	9.4	14.4	17.7	19.0	17.7	17.2	32.2
-444		8 28	3.8	3.2	3.4	3.3	4.8	2.5	4.1	6.0	9.3	14.7	18.8	18.5	16.3	15.8	38.5
-445		8 30	2.8	2.2	2.5	2.4	3.6	1.6	3.0	4.8	8.2	13.4	17.0	17.6	16.2	15.9	37.1
-446		8 38	-1.9	-1.5	-2.4	-2.0	-1.9	-3.7	-3.9	-1.6	2.2	9.6	15.4	6.0	4.0	1.3	37.3
-447		8 40	-1.4	-1.3	-2.2	-1.5	-1.8	-3.5	-3.7	-1.3	2.6	10.7	15.1	5.3	3.2	.6	34.1
-448		8 41	-2.0	-1.4	-2.5	-2.1	-2.3	-4.0	-4.3	-1.9	2.3	10.7	13.7	3.9	.9	-1.8	37.7
-449		8 43	-1.9	-1.6	-2.5	-2.0	-2.3	-4.1	-4.2	-2.0	2.1	9.8		4.8	2.3	.3	37.3
AA-105-450	12 FEB 81	13 10	1.8	1.5	1.5	1.8	2.9	.7	2.5	4.3	6.8	10.3	11.9	15.0	15.7	13.5	35.8
-451		13 12	1.8	1.5	1.7	1.9	3.0	.6	2.4	4.1	6.4	9.4	10.5	13.0	14.1	13.1	37.1
-452		13 29	1.8	1.7	1.8	2.0	3.2	.9	2.6	4.6	7.0	10.2	11.4	15.4	17.2	14.9	27.7
-453		13 32	1.7	1.7	1.7	2.0	3.2	.7	2.5	4.4	6.7	9.8	10.7	14.1	15.9	14.0	35.3
-454		13 48	1.8	1.4	1.6	2.0	3.1	.8	2.4	4.3	6.8	9.7	10.6	14.2	16.7	15.6	38.5
AA-105-469	25 FEB 81	12 59	3.4	2.0	1.8	2.4	2.9	1.2	2.3	2.9	3.7	6.3	7.3	8.7	12.7	14.7	34.4
-470		13 1	2.5	1.6	1.2	1.8	2.4	.6	2.0	2.8	3.7	6.4	8.0	9.7	14.4	15.0	34.9
-471		13 2	3.1	1.8	1.5	2.1	2.9	1.1	2.7	3.8	4.8	7.5	9.1	11.0	17.3	18.2	34.0
-472		13 4	2.8	1.7	1.4	1.8	2.4	.7	2.1	3.0	3.9	6.5	7.7	8.9	12.9	13.3	34.4
-473		13 5	2.7	1.7	1.2	1.6	2.2	.6	2.1	3.0	4.0	6.4	7.4	9.3	14.5	15.8	35.3
AA-106-464		8 33	1.0	.9	.6	1.3	2.3	-.5	-.5	.7	3.5	5.9	7.1	7.7	13.0	13.3	31.8
-465		8 34	.6	1.0	.6	1.2	2.2	-.6	-.5	.7	3.5	6.0	7.1	7.3	12.0	12.5	33.5
-466		8 36	.5	.9	.6	.9	2.0	-.8	-.9	.3	3.1	5.7	6.9	8.1	13.4	11.9	34.8
-467		8 37	.4	.9	.5	1.1	2.1	-.7	-.7	.6	3.5	6.1	7.1	7.7	13.0	12.9	34.4
-468		8 39	.2	.9	.5	1.0	2.2	-.7	-.7	.6	3.4	6.0	7.0	7.6	12.7	12.6	33.5
-474		13 16	.0	.5	-.2	.5	1.5	-1.3	-1.3	.0	2.7	4.8	5.4	4.1	6.9	8.8	34.0
-475		13 18	-.4	.1	-.4	.4	1.6	-1.2	-1.2	.0	2.7	4.8	5.5	4.7	8.3	10.1	34.0
-476		13 19	.1	.4	.0	.8	1.8	-.8	-.9	.3	3.1	5.2	5.7	4.3	6.8	9.2	34.9
-477		13 26	-.1	.2	-.2	.5	1.6	-1.1	-.9	.2	3.1	5.5	5.9	4.8	7.5	10.6	34.9
-478		13 29	.1	.3	-.3	.7	1.6	-1.2	-1.2	-.1	2.7	5.0	5.7	4.5	7.3	9.7	34.4
AA-105-479	27 FEB 81	7 15	1.9	.4	.4	.2	.8	-1.7	-.7	.8	3.1	6.9	10.7	18.4	14.5	9.4	34.4
-480		7 17	1.7	.4	.3	.4	.8	-1.7	-.8	.8	3.0	7.2	11.2	17.8	14.3	9.1	34.8
-481		7 18	2.0	.3	.4	.0	.7	-1.9	-.9	.7	3.1	7.6	11.7	16.9	13.5	8.2	34.8
-482		7 20	1.7	.4	.4	.3	.8	-1.7	-.9	.8	3.2	7.8	12.1	17.2	14.0	8.8	34.4
-483		7 21	1.5	.4	.2	.2	.7	-1.8	-.7	1.0	3.3	7.6	11.9	17.0	13.8	8.3	33.5
-489		7 43	1.9	.6	.4	.3	.9	-1.7	-.8	.5	2.5	6.5	10.2	17.6	13.1	8.7	34.0
-490		7 45	1.7	.4	.4	.3	1.1	-1.6	-.6	.6	2.6	6.6	10.1	17.8	13.2	9.1	34.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE E10

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-441	04 FEB 81	8 22	15.1	15.7	15.6	15.1	13.6	11.8	11.8	11.3	11.3	10.9	11.4			7.6	13.4
-442		8 23	16.1	16.2	15.6	14.5	12.9	11.2	12.0	12.1	11.3	11.0	11.8	6.8		7.7	13.6
-443		8 27	16.8	16.6	16.2	16.7	16.1	14.9	15.5	15.4		14.8	16.1	10.4		9.3	15.6
-444		8 28	14.4	14.4	14.0	14.0	13.0	11.4	11.5	11.4	11.2	11.2	12.0	7.4	11.3	9.2	13.6
-445		8 30	15.6	16.2	16.6	16.7	15.5	14.0	15.0	14.9	13.4	14.6	14.0			8.3	14.7
-446		8 38	-.6	-2.3	-3.1	-2.0	-2.0	-.5	-.6	-.3	.3	.8	2.4	-.2	2.0	-.7	-.9
-447		8 40	-1.0	-2.8	-3.8	-1.9	-.8	-.5	-.4	.0	.7	1.1	2.8	.5	3.0	-.5	-.9
-448		8 41	-3.2	-4.9	-4.6	-2.7	-2.3	-1.2	-.8	-.4	.0	.5	2.3	.1	2.6	-1.3	-2.2
-449		8 43	-1.2	-3.0	-3.7	-2.7	-1.8	-.7	-1.4	.1	.2	.8	2.5	-.3	2.1	-1.1	-1.4
AA-105-450	12 FEB 81	13 10	11.9	11.3	10.8	10.8	9.9	9.3	9.9	9.7	8.9	9.0	10.1			6.7	10.7
-451		13 12	12.0	11.9	11.6	12.1	11.1	10.3	11.3	11.1	8.2	9.7	11.0			6.5	11.0
-452		13 29	13.0	12.4	11.6	11.8	10.7	9.9	10.5	10.4	9.4	9.6	10.9			6.9	11.4
-453		13 32	12.3	12.3	12.2	12.7	12.3	11.8	12.9	12.6	9.5	12.7	13.8			6.8	11.8
-454		13 48	14.1	14.0	14.1	15.1	14.8	14.2	15.2	15.4	14.4					6.9	12.9
AA-105-469	25 FEB 81	12 59	12.9	11.3	10.5	8.8	6.4	3.8	3.8	4.5	4.9	4.6	6.7			5.5	8.3
-470		13 1	11.9	9.5	8.5	6.8	5.1	2.9	2.6	2.9	3.8	.9	2.2	-2.2		5.1	7.2
-471		13 2	15.4	13.2	11.8	9.3	6.5	3.2	3.4	3.7	4.6	3.6	5.0	-1.4		6.3	8.8
-472		13 4	10.5	8.3	7.3	5.4	3.5	1.5	1.8	1.9	2.5	.8	2.2	-5.1		5.1	6.2
-473		13 5	13.8	11.9	11.4	10.4	8.0	5.0	4.6	4.6	5.3	3.8	5.7	-.6		5.6	8.9
AA-106-464		8 33	10.4	7.5	7.2	7.9	5.7	3.4	2.2	1.9	2.2	1.1	2.5	-.9		3.2	5.7
-465		8 34	10.0	7.7	7.9	8.9	7.1	5.4	4.7	4.3	4.0	3.7	5.5			3.2	6.5
-466		8 36	8.3	4.9	4.4	4.6	2.1	.0	-1.0	-1.2	-1.1	-2.4	-1.4	-5.1	-5.8	2.7	3.6
-467		8 37	9.9	7.1	6.6	6.9	4.3	1.8	.4	-.1	.0	-1.1	.4	-3.2	-3.7	3.0	4.8
-468		8 39	9.6	6.8	5.9	6.6	5.1	3.3	2.4	2.2	2.2	1.3	2.9	-.9		3.2	5.6
-474		13 16	8.2	7.0	7.1	9.2	9.6	9.5	10.6	11.9						2.4	6.1
-475		13 18	8.7	6.6	6.9	8.6	7.8	6.3	6.2	6.5						2.4	5.8
-476		13 19	9.2	8.5	10.0	13.2	14.2	14.0	14.8	15.5						2.8	7.0
-477		13 26	10.9	10.1	10.4	12.2	12.2	11.3		12.1						2.7	7.0
-478		13 29	9.2	8.1	8.2	10.5	11.2	10.9		12.0						2.5	6.6
AA-105-479	27 FEB 81	7 15	4.1	-1.4	-4.2	-2.3	.9	-2.6	.0	.4	1.9	.4	.8	-4.1	-3.6	3.4	2.0
-480		7 17	4.0	-1.6	-3.9	-1.1	.0	-2.5	1.1	.7	2.3	.8	.9	-4.0	-3.5	3.5	2.1
-481		7 18	3.1	-2.3	-3.8	.3	-1.3	-1.6	1.7	1.7	2.4	.7	.6	-4.1	-3.6	3.5	2.2
-482		7 20	3.5	-2.1	-3.6	.8	-.8	-1.0	2.7	2.1	2.8	1.6	1.3	-3.5	-3.1	3.7	2.7
-483		7 21	3.3	-2.1	-3.2	1.1	-.6	-.5	2.9	2.4	2.7	1.4	1.4	-3.5	-2.9	3.8	2.8
-489		7 43	4.4	-.7	-3.7	-4.1	-.4	-.5	-2.2	-.1	-.2	-1.1	-.4	-5.6	-6.3	3.0	1.6
-490		7 45	4.5	-.7	-3.8	-4.0	-.3	-.5	-2.2	.1	.0	-1.0	-.1	-4.9	-6.1	3.1	1.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87
PAGE D11

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	1.7	1.4	1.0	1.5	2.9	-.1	.1	.9	4.0	6.5	8.2	9.0	14.1	13.1	33.5
-486		7 31	1.6	1.5	.9	1.0	2.2	-1.3	-1.4	-.3	2.5	5.1	7.9	11.8	12.6	6.1	34.4
-487		7 32	1.9	1.2	1.0	1.4	2.7	.0	-.3	.7	3.7	6.1	7.9	8.6	11.9	10.3	35.3
-488		7 34	2.4	1.9	1.7	1.8	3.3	.5	.6	1.6	4.3	6.5	8.4	9.9	15.7	13.4	34.4
-491		7 51	3.3	2.8	2.4	2.8	4.1	1.2	.9	1.6	4.4	6.9	8.3	7.9	10.8	12.6	35.3
-492		7 53	3.5	2.7	2.3	2.6	3.9	1.0	.8	1.7	4.5	6.9	8.5	8.2	10.9	12.5	36.2
ESA STATISTICS:																	
MINIMUM			-7.8	-6.4	-6.1	-6.2	-5.5	-6.6	-6.0	-5.6	-5.0	-3.6	-3.1	-2.5	-1.4	-1.8	19.6
MAXIMUM			8.0	7.7	7.6	8.0	8.6	8.4	13.0	18.4	20.6	19.7	24.9	26.2	24.6	26.2	49.2
AVERAGE			1.3	1.2	.9	1.4	2.3	1.2	2.3	4.1	6.2	9.4	12.8	13.1	12.7	11.2	33.0
STANDARD DEVIATION			1.8	1.7	1.7	1.8	2.0	2.3	3.4	4.6	4.5	3.8	5.0	5.2	4.8	5.1	3.6
NUMBER OF DATA POINTS			368	369	369	369	369	369	369	369	369	369	367	368	369	369	369

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 134 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 134 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-485	27 FEB 81	7 29	9.9	7.2	6.8	6.8	5.2	3.8	3.2	3.5	2.4	2.7	3.0	-.2	.4	3.8	6.0
-486		7 31	2.3	-.4	-.4	1.1	1.2	.2	-.2	.9	1.1	1.3	2.3	-1.1	-1.9	2.3	2.4
-487		7 32	8.4	7.1	6.6	6.0	4.3	3.2	3.3	4.7		4.5	4.0			3.5	5.5
-488		7 34	10.6	8.0	6.9	6.4	4.5	2.9	2.1	2.3	4.1	2.7	4.2	1.4	.6	4.4	6.2
-491		7 51	10.6	8.7	8.3	8.2	7.1	6.1	6.4	6.7						4.4	7.5
-492		7 53	11.3	9.7	9.3	9.0	7.6	6.2	6.2	7.2						4.4	7.9
ESA STATISTICS:																	
MINIMUM			-4.2	-4.9	-5.4	-4.1	-4.7	-6.6	-6.2	-4.6	-3.7	-5.2	-4.6	-6.0	-6.3	-3.2	-2.4
MAXIMUM			25.8	25.8	25.9	26.8	27.4	24.7	26.0	27.1	27.5	25.5	21.9	15.3	11.6	12.7	19.2
AVERAGE			9.3	7.6	6.1	5.7	5.4	4.1	4.6	5.6	5.3	3.7	5.0	1.0	1.7	4.8	6.2
STANDARD DEVIATION			5.5	6.1	6.6	6.8	6.7	6.3	6.1	5.9	5.3	5.0	4.7	4.1	3.5	2.7	4.5
NUMBER OF DATA POINTS			369	369	368	369	369	368	350	350	310	313	299	244	198	369	369

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE D12

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-034	29 NOV 79	11 1	6.0	6.4	6.5	7.3	9.1	8.9	9.7	10.7	12.4	16.1	19.8	22.5	24.0	24.1	19.2
AA-101-036	06 DEC 79	11 14	1.6	1.0	1.0	1.5	1.6	1.4	1.4	2.5	5.0	11.6	22.8	24.7	20.2	16.7	29.2
-037		15 15	1.5	1.2	1.1	2.0	2.8	2.1	3.1	3.9	5.7	9.8	14.2	21.0	24.9	25.6	30.4
AA-101-038	12 DEC 79	10 50		5.1	5.7	7.7	8.3	9.9	12.0	13.2	14.9	18.7	21.7	24.5	25.7	26.0	32.7
-039		11 18	-.1	.1	.8	.8	1.9	2.3	2.6	2.5	3.0	9.1	19.7	22.4	18.9	16.0	30.4
-040		13 10	1.9	2.1	2.0	2.7	3.1	3.5	3.7	4.9	8.5	17.8	26.3	21.5	16.6	12.4	29.5
AA-101-041	13 DEC 79	11 30	.5	.6	.9	.8	1.6	1.6	2.6	3.6	4.4	8.3	15.7	17.8	13.8	9.9	42.5
AA-101-043	14 DEC 79	12 6	-6.8	-5.3	-5.0	-3.8	-2.5	-2.9	-2.6	-2.5	-1.0	2.2	5.8	11.4	14.4	14.8	29.5
AA-101-044	23 JAN 80	11 54	.1	1.1	1.2	1.6	4.0	3.7	4.8	5.9	8.1	11.7	13.3	15.3	15.6	15.7	28.6
AA-101-047	29 JAN 80	11 42	-.2	1.0	.8	.7	2.5	2.9	4.1	4.7	5.4	7.3	9.5	12.0	12.6	12.6	42.4
-049		13 27	.5	1.6	1.8	2.6	5.1	4.1	5.4	6.6	8.6	11.6	15.8	20.4	17.8	16.3	30.4
AA-101-052	05 FEB 80	13 37	-.6	.2	-.4	.0	1.8	.5	.9	.7	2.5	6.0	10.5	21.4	21.1	15.9	29.2
AA-102-057	13 FEB 80	14 43		8.9	7.9	7.0	7.4	6.7	6.3	4.9	10.1	23.3	26.4	15.6	8.2	2.4	29.5
-058		14 51		8.3	7.2	5.7	6.3	5.8	4.3	4.2	10.0	21.5	13.7	8.7	4.3	1.2	29.5
-059		15 15		8.0	7.5	6.6	7.8	6.1	4.9	4.4	9.6	23.1	23.3	14.2	7.2	.7	38.5
AA-101-065	20 FEB 80	11 19	.9	1.6	.9	1.0	2.5	1.1	1.5	1.2	1.6	2.4	4.6	8.9	14.0	20.2	33.1
AA-102-067		13 11	2.9	.8	.4	.2	.4	-1.2	-1.4	-1.8	-1.2	.1	1.0	-.3	1.9	11.2	29.5
AA-101-068	21 FEB 80	14 10	-1.7	-1.2	-1.8	-1.9	-.7	-2.4	-2.1	-2.3	-2.0	-2.1	-1.2	1.6	6.2	15.1	29.5
-069		14 13	-.2	1.1	.7	.6	.2	.5	-.1	-.6	-.6	-.9	1.0	4.3	10.7	18.3	29.5
AA-102-070		14 33	3.2	.5	1.6	2.1	2.9	3.0	2.7	5.3	7.4	9.2	11.0	11.0	10.6	14.1	21.9
AA-102-071	22 FEB 80	14 48	.9	.0	-.4	-.6	-1.7	-2.8	-3.5	-1.3	2.8	8.3	12.0	17.3	12.3	4.2	25.0
-072		14 53	1.0	-1.5	-.8	-1.0	-3.2	-2.8	-3.2	-.8	2.2	7.9	14.2	17.3	12.2	4.9	34.4
AA-101-073	27 FEB 80	11 57	5.9	1.5	.0	.0	.7	8.2	17.3	27.5	25.6	24.2	22.6	19.2	15.5	14.1	22.3
AA-101-074	01 APR 80	11 3	2.8	2.0	2.5	1.8	4.3	2.2	3.6	5.0	6.5	10.2	16.1	23.1	27.3	28.2	42.0
-075		11 22	2.1	1.4	1.6	.5	3.6	1.7	3.2	5.0	6.5	10.3	16.0	23.1	25.0	23.2	33.5
AA-101-076	03 APR 80	11 17	2.1	1.3	1.5	.0	3.5	1.7	3.1	4.7	6.6	10.8	17.2	24.6	27.0	26.0	30.4
-077		14 12	1.9	1.0	.6	.0	2.0	-.1	1.6	3.6	6.2	11.6	21.8	28.0	25.5	20.6	39.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E12

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-034	29 NOV 79	11 1	22.4	21.2	20.3	19.1	18.3	16.8								11.9	19.2
AA-101-036	06 DEC 79	11 14	12.7	9.8	6.2	3.2	2.7	1.1	1.7	3.2	1.4	1.4				5.7	7.4
-037		15 15	23.1	22.1	20.8	19.8	18.7	16.7	17.5	17.3						6.3	15.4
AA-101-038	12 DEC 79	10 50	25.0	24.2	23.1	21.8	21.7	19.8								14.1	21.8
-039		11 18	12.6	10.2	7.1	5.2	5.1	3.6			.8					2.7	7.5
-040		13 10	8.4	5.0	1.8	.7	2.6	3.2	4.4	5.7		3.6				7.4	6.6
AA-101-041	13 DEC 79	11 30	6.8	5.3	3.3	2.5	3.4	3.3								2.6	5.9
AA-101-043	14 DEC 79	12 6	13.5	9.6	6.9	6.2	5.3	4.6	5.0	5.9						1.1	7.0
AA-101-044	23 JAN 80	11 54	14.5	13.8	13.0	12.0	11.2	10.1		9.9						6.8	12.2
AA-101-047	29 JAN 80	11 42	12.2	9.2	7.6	6.4	6.1	5.4	5.2	5.7						5.5	8.4
-049		13 27	15.0	11.4	9.4	7.4	7.0	6.4	7.4	7.8						9.1	11.6
AA-101-052	05 FEB 80	13 37	13.5	11.8	12.0	12.5	12.3	10.9	10.7	10.4						3.6	9.5
AA-102-057	13 FEB 80	14 43	1.3	-1.5	-2.7	-2.5	.2	.1	-.1	2.3	-1.0					6.9	1.6
-058		14 51	-2.6	-4.6	-4.0	-2.4	-2.1	-1.2	-.5	.0	-1.6	-2.7				2.9	-2.0
-059		15 15	-1.9	-4.1	-3.8	-2.4	-2.5	-1.4	-1.1	1.2	-2.8					6.2	.8
AA-101-065	20 FEB 80	11 19	29.9	26.0	18.9	16.8	16.3	14.4	14.6	14.8						5.0	12.1
AA-102-067		13 11	19.6	11.9	5.8	-2.2	-5.1	-5.3	-3.9	-1.5	-4.6	-3.2	-2.5	-5.0		.4	1.5
AA-101-068	21 FEB 80	14 10	13.9	6.6	2.0	-1.6	-2.4	-1.9	-.4	-.7	-2.5	-2.2	-3.1			-.7	.9
-069		14 13	13.2	6.2	2.6	.4	-.8	-1.1	.7	.9	-.3	.2	-.8	-4.0		1.9	3.1
AA-102-070		14 33	17.7	18.1	17.3	14.0	13.0	12.3	11.5	13.4						7.5	11.9
AA-102-071	22 FEB 80	14 48	-1.1	-3.8	-1.8	-.4	-1.4	-.3	-.7	2.7	.4	-.4	-.4			1.1	.5
-072		14 53	-1.5	-3.8	-1.5	-.6	-2.4	-1.5	-1.7	1.3	-.2	-.8	-1.7	-3.4		1.8	1.0
AA-101-073	27 FEB 80	11 57	13.2	10.8	9.8	9.3	8.7	7.1	7.7	6.8		8.4	7.2			10.2	10.9
AA-101-074	01 APR 80	11 3	27.3	25.6	23.9	22.5	23.5	22.4	23.4	20.0						8.3	17.7
-075		11 22	22.2	19.7	17.6	15.4	16.1	14.8	15.0	12.5						7.0	15.4
AA-101-076	03 APR 80	11 17	23.7	21.2	18.2	16.6	16.5	15.1								5.5	11.5
-077		14 12	15.5	9.3	4.9	2.4	2.7	2.1	4.3	2.4	3.6	5.1	6.5	4.9	2.1	7.0	7.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-B0B-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 230 M

DATE 02 FEB 87
PAGE D13

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-080	10 APR 80	9 39	1.1	.8	1.2	1.4	3.4	2.6	2.8	4.1	5.3	8.0	10.9	14.8	17.5	17.5	18.3
-081		10 47	.7	.3	.5	.7	2.6	2.2	3.9	5.9	7.6	11.1	14.4	18.1	20.1	20.2	33.9
-082		11 47	1.5	.7	1.2	1.0	4.3	3.3	5.9	8.8	11.6	17.4	21.2	24.3	26.0	25.2	31.7
-083		12 3	1.3	1.0	1.7	1.9	3.5	4.0	5.0	7.3	9.4	13.5	17.4	21.9	24.3	23.7	34.4
AA-101-087	11 APR 80	10 51	1.4	.6	.7	1.0	3.0	1.7	3.1	4.6	6.0	9.2	13.1	18.2	23.5	23.5	32.6
AA-101-088	16 APR 80	10 4	1.0	.7	.4	-1.0	.7	-.5	1.3	2.7	5.8	11.6	21.4	24.6	19.7	13.5	34.4
AA-101-089	17 APR 80	11 23	1.4	.5	.5	.6	3.1	1.0	2.6	4.6	6.4	9.7	13.3	17.3	20.8	23.0	29.5
AA-101-090	18 APR 80	11 6	.6	.0	.1	.2	2.5	.7	2.1	3.5	4.8	8.1	11.6	16.4	20.5	24.1	32.6
AA-101-092	22 APR 80	11 2	1.6	1.8	2.4	2.6	5.7	4.8	8.0	11.4	15.1	19.4	23.3	26.5	26.1	24.7	30.3
AA-101-094	06 MAY 80	14 33	-2.5	-2.5	-2.0	-2.1	-.2	-.2	2.7	6.5	11.0	17.3	21.9	20.6	16.9	13.3	29.9
AA-101-096	08 MAY 80	10 26	-2.4	-2.6	-.7	-.5	1.3	3.5	6.8	8.1	8.1	12.0	14.6	12.5	10.6	9.4	24.6
AA-101-098	09 MAY 80	10 40	-1.2	-1.2	-.5	-.1	2.1	1.9	4.3	7.0	9.9	15.1	19.0	22.3	24.6	22.9	35.3
-099		12 29	-1.6	-1.8	-1.2	-1.0	1.7	1.0	3.8	6.4	10.2	15.7	19.9	21.1	20.1	20.0	29.5
AA-102-100		14 34	2.4	.0	-.1	-.7	.2	-.3	1.2	5.0	11.2	23.5	23.6	13.0	8.6	5.3	29.5
AA-103-101	09 SEP 80	7 10	.3	1.3	.1	1.5	2.2	1.7	4.1	7.6	14.0	24.2	28.3	23.0	20.9	18.3	30.0
-103		7 24	.9	1.7	.3	1.6	2.6	2.3	5.3	9.2	15.7	27.9	30.7	24.2	21.4	16.4	29.5
-105		7 35	.6	2.1	.7	1.8	2.7	2.4	5.5	9.1	15.1	26.1	29.9	23.8	20.9	15.7	32.2
-107		7 45	1.3	2.1	1.0	2.3	2.8	3.0	5.9	9.0	14.8	25.3	30.0	23.5	20.7	15.6	34.4
-109		7 55	.8	1.3	.1	1.5	2.3	2.0	4.9	8.0	12.9	21.7	27.9	23.2	21.4	17.6	30.4
-111		12 26	1.1	1.9	2.7	5.2	6.0	6.6	8.1	9.8	13.2	18.7	24.6	25.7	24.6	23.9	40.6
-112		12 58	.6	2.0	1.9	3.8	6.5	6.3	10.3	14.4	18.9	23.6	28.8	29.2	30.5	28.6	29.5
-114		13 10	1.9	3.5	2.8	5.0	6.2	7.2	9.9	12.2	16.2	20.7	25.9	26.3	27.0	26.6	32.6
-116		13 23	1.5	2.7	2.5	4.5	6.4	6.8	9.7	12.5	17.0	23.5	28.8	28.4	28.5	27.8	30.4
-118		13 37	1.9	3.4	3.0	5.3	6.2	7.3	10.0	12.9	17.2	23.1	27.7	27.6	28.3	27.5	33.5
-120		13 53	1.9	2.8	2.5	4.5	6.0	6.3	8.9	11.7	16.1	21.8	26.4	27.1	29.3	28.4	29.5
-122		14 8	1.6	2.7	2.3	3.8	5.5	6.2	8.8	11.2	14.6	19.2	24.1	24.3	25.8	25.8	28.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E13

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-080	10 APR 80	9 39	16.3	15.2	14.6	14.1	13.7	12.4								6.6	13.5
-081		10 47	20.3	18.5	18.0	17.0	16.4	15.1								7.0	14.3
-082		11 47	24.4	22.9	22.1	21.6	21.0	19.3								9.5	18.8
-083		12 3	23.2	21.9	20.4	19.8	19.1	17.4								6.3	13.4
AA-101-087	11 APR 80	10 51	22.7	20.8	18.9	17.9	17.0									7.6	16.1
AA-101-088	16 APR 80	10 4	8.1	3.7	2.2	1.0	2.4	1.2								3.8	7.8
AA-101-089	17 APR 80	11 23	23.3	21.9	21.5	20.6	19.9	18.7	20.2							7.1	16.5
AA-101-090	18 APR 80	11 6	24.7	21.9	20.7	20.4	20.1	18.1								6.5	15.5
AA-101-092	22 APR 80	11 2	25.5	24.4	23.4	22.5	22.2	20.5	21.9	20.5						11.9	21.2
AA-101-094	06 MAY 80	14 33	10.4	6.4	4.1	2.3	1.0	-1.1	.7	-.1		.6	.1			6.5	5.6
AA-101-096	08 MAY 80	10 26	7.3	4.9	1.8	-.1	2.8									3.1	6.8
AA-101-098	09 MAY 80	10 40	22.4	19.7	18.4	17.7	17.5	15.6	16.5							8.9	18.0
-099		12 29	20.7	18.6	17.4	16.6	15.8	13.8								7.4	15.6
AA-102-100		14 34	2.5	-.6	-2.8	-3.4	.0	-.2	-1.1	1.5		2.3	-2.1			3.2	.0
AA-103-101	09 SEP 80	7 10	15.7	12.5	8.6	5.7	3.8	1.3	4.3	5.8	4.9	3.3	4.3	1.1	-.6	9.0	8.5
-103		7 24	12.2	7.8	1.9	-1.0	5.0	5.8	4.1	9.4	8.9	6.8	10.8	9.3	9.0	9.2	7.0
-105		7 35	10.8	6.2	1.1	-2.5	-.6	3.5	4.4	4.9	6.4	4.1	6.4	4.5	3.8	8.6	5.4
-107		7 45	11.0	7.2	2.4	-1.5	-2.0	-2.1	4.1	6.6	6.7	4.0	5.7	3.0	3.1	8.7	5.0
-109		7 55	14.6	12.2	8.9	5.5	3.2	.1	.4	.9	1.2	-.9	.1		-2.6	8.6	6.3
-111		12 26	23.9	23.8	22.2	22.1	21.9	17.9								11.1	19.4
-112		12 58	26.6	26.3	25.5	26.1	26.1	23.4	23.6	24.3	24.5					15.2	24.1
-114		13 10	24.2	23.3	22.9	22.9	23.1	20.2	20.2	20.9	20.6					14.5	21.6
-116		13 23	26.2	26.1	25.8	25.5	25.5	23.0	22.8	23.4	23.4					14.7	23.5
-118		13 37	24.9	25.4	25.2	25.3	25.5	22.5	22.5	22.8	22.6					14.6	23.0
-120		13 53	26.5	26.1	25.5	25.8	25.1	22.0	22.1	22.3	21.9					13.9	22.8
-122		14 8	23.9	23.8	24.0	24.1	23.7	20.5	20.6	21.1	21.0					13.3	21.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE D14

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-102	09 SEP 80	7 17	1.8	.7	.1	.4	1.2	1.2	3.1	8.3	16.8	27.2	19.3	8.0	3.8	2.1	31.8
-104		7 30	2.2	1.6	.3	1.3	2.0	1.3	3.9	8.3	16.2	30.3	26.6	13.5	10.1	7.1	34.5
-106		7 40	2.3	1.5	.2	1.0	2.3	1.2	3.4	7.3	13.9	25.0	24.5	15.0	12.7	10.6	39.4
-108		7 50	2.4	1.7	.3	1.2	1.8	1.4	3.7	7.5	14.3	25.5	26.2	14.7	11.9	10.6	32.2
-110		8 1	2.2	1.7	.5	1.1	2.0	1.1	3.9	8.5	16.4	28.8	26.6	15.8	11.5	7.6	39.8
-113		13 4	1.4	.5	-.9	.2	1.1	.5	2.5	5.9	12.7	26.3	25.8	9.2	5.5	3.2	35.4
-115		13 16	2.3	1.5	-.1	1.0	2.0	.9	3.2	6.5	12.2	22.8	27.9	13.6	10.1	7.2	37.1
-117		13 29	1.3	.8	-.5	.7	.8	.8	2.4	5.6	11.3	21.0	25.6	12.2	8.1	6.4	31.3
-119		13 47	1.7	1.3	-.2	1.2	1.0	1.5	3.1	6.3	12.0	22.0	26.9	12.6	6.7	5.5	32.2
-121		14 3	.6	.5	-1.3	-.2	.3	.1	2.3	6.1	13.2	25.1	26.6	10.0	6.2	4.0	31.3
-123		14 13	1.5	1.2	-.4	.8	1.3	.7	2.4	5.4	10.9	20.2	26.4	14.0	11.4	10.0	31.3
-124		15 18	2.3	.6	-.9	-.1	1.1	.5	2.2	5.1	10.5	20.4	24.7	15.7	9.2	6.8	30.9
AA-103-125	10 SEP 80	6 58	-.6	-.4	-1.2		.5	.1	1.3	3.0	6.5	12.7	24.3	21.9	17.7	14.4	30.8
-127		7 11	.2	.1	-.4	.4	1.0	.3	1.3	3.1	6.6	12.9	25.6	22.8	17.8	12.1	30.0
-129		7 22	.6	.5	-.1	1.1	1.3	.7	1.8	3.3	6.5	12.6	24.3	25.5	22.4	18.0	29.5
-131		7 33	.5	.8	-.3	.6	1.0	.2	1.5	3.4	7.5	15.0	25.4	23.3	19.8	14.4	28.6
-133		7 44	-2.0	-1.7	-2.8	-2.2	-1.6	-2.4	-1.3	-.3	3.6	10.0	22.3	18.6	15.0	10.6	29.4
-135		13 0	.0	.5	.3	1.3	2.5	1.7	3.0	4.4	6.4	8.2	11.7	14.6	20.7	23.0	29.5
-137		13 10	-.1	.3	-.4	.3	.7	-.1	1.0	2.1	4.8	7.6	13.4	18.6	23.2	21.5	30.4
-139		13 19	-.6	.5	-.2	1.1	1.7	.5	1.6	2.7	4.5	7.3	11.2	15.4	21.2	19.6	30.4
-141		13 29	-.5	.2	-.5	.5	.8	.2	1.4	2.5	4.8	7.7	13.5	19.7	24.3	20.8	30.9
-143		13 44	-.5	-.2	-.9	.0	.8	-.3	1.1	2.4	4.5	7.2	13.2	18.3	22.0	18.3	30.8
AA-104-126		7 4	3.7	2.7	1.2	1.9	2.3	1.4	1.6	2.9	6.4	11.5	17.5	21.2	19.4	14.8	30.5
-128		7 16	3.6	2.5	1.2	1.6	2.7	1.2	1.5	3.0	6.4	11.3	18.2	23.4	21.2	18.0	31.3
-130		7 28	3.6	2.5	1.0	1.7	2.4	1.4	1.7	3.0	6.5	11.3	17.3	21.3	21.0	17.8	31.3
-132		7 39	3.7	2.6	1.1	1.6	2.5	1.1	1.5	2.7	6.1	10.9	17.0	20.4	18.7	13.8	31.3
-134		7 50	4.0	3.1	1.5	2.3	2.9	1.9	2.1	3.5	6.8	11.2	16.8	20.2	19.7	16.3	30.4
-136		13 4	3.8	3.4	1.9	3.2	4.4	3.8	4.6	5.8	8.0	11.0	15.2	15.3	17.8	18.2	30.4
-138		13 14	2.9	2.7	1.6	2.8	3.0	2.7	3.3	4.2	6.4	9.4	12.6	13.4	16.3	18.8	30.4
-140		13 24	3.4	3.0	1.6	3.0	3.9	3.2	4.2	5.5	8.4	11.7	15.3	15.8	18.8	19.9	30.4
-142		13 36	3.0	1.8	.5	1.2	3.0	1.3	1.9	3.2	5.7	9.2	12.5	13.1	15.8	15.7	28.6
-144		13 49	3.1	2.1	.6	1.6	2.4	1.0	2.2	3.3	5.9	9.0	12.5	13.1	16.6	17.2	29.5
AA-103-145	16 SEP 80	7 19	-.2	.4	-1.0	.1	.4	.4	3.2	6.2	12.7	25.0	29.2	17.9	12.7	7.5	36.7
-147		7 34	-.5	.3	-1.0	.3	.4	.8	2.9	5.4	10.6	22.6	29.9	22.6	19.0	16.7	35.3
-149		7 47	-.7	.6	-.6	.9	.7	1.5	3.1	5.3	10.2	21.8	29.5	21.8	19.0	16.6	29.5
-151		8 0	-.1	.9	-.2	1.3	1.0	1.7	3.0	4.8	8.8	17.3	26.7	22.8	20.4	18.5	30.4
-153		8 12	.5	1.5	.4	1.6	1.4	2.7	4.0	5.6	9.1	16.7	27.2	26.0	23.2	22.3	29.1
-155		13 12	.9	2.1	1.2	2.7	2.8	3.0	4.8	6.3	9.8	15.9	24.8	26.4	27.5	25.8	23.7
-156		13 21	.6	2.0	1.1	2.7	2.6	3.1	5.1	6.7	9.9	14.9	22.7	26.5	30.0	31.4	29.5
-158		13 49	1.0	2.1	1.3	2.7	3.6	3.3	5.4	7.2	10.4	15.5	22.8	26.4	30.6	30.1	32.2
-159		13 51	1.3	2.2	1.4	2.8	3.6	3.3	5.1	6.5	9.7	15.4	23.0	26.6	28.4	27.1	31.7
-160		13 54	1.8	2.2	1.3	2.7	3.5	3.1	5.2	7.0	10.0	15.2	22.9	27.6	30.9	30.4	32.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E14

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-102	09 SEP 80	7 17	-.8	-3.4	-5.2	-4.8	-.3	-4.1	-3.4	-.2		-.3	3.0	-.4	.0	3.2	-1.7
-104		7 30	4.0	-.2	-2.3	-.2	3.0	-2.1	3.8	4.5	5.2	2.9	5.8	3.6	4.7	5.9	2.3
-106		7 40	9.2	6.5	4.2	2.3	-.4	-3.0	-1.4	3.8		.8	4.1	1.0	.7	5.9	3.2
-108		7 50	7.2	3.3	.2	-1.0	-3.0	-4.8	-1.5	2.1	1.2	-1.3	2.2	-1.5	-1.7	5.5	1.2
-110		8 1	4.5	.2	-2.7	-2.7	.2	.3	2.1	4.0	5.9	2.9	5.6	2.6	2.9	5.9	1.7
-113		13 4	-1.2	-4.8	-6.2	-3.2	-.3	-2.0	-2.2	.7	-1.0		1.1	-1.8	-2.0	4.6	-.5
-115		13 16	3.1	-1.3	-4.2	-3.8	-1.6	-.4	.0	2.5	2.0	-.7	3.9	.0		5.7	1.1
-117		13 29	3.2	-.5	-3.6	-3.4	-3.3	-2.7	-1.8	.2	1.9		1.9	.0		5.2	.6
-119		13 47	2.3	-1.2	-3.9	-3.1	-.8	-1.5	-1.1	.7	2.1	-1.2		-.6		5.5	1.1
-121		14 3	.7	-2.7	-4.9	-1.9	.1	-1.3	-.4	1.2	2.7			-1.9		4.9	.7
-123		14 13	7.4	4.0	.8	-.8	-3.0	-3.1	.4	2.5	3.8	-.5		.4		5.7	2.5
-124		15 18	2.8	.0	-3.3	-4.7	-5.4	-4.3	-1.4	-.8	1.1					4.5	-.3
AA-103-125	10 SEP 80	6 58	10.3	5.8	1.1	-.9	2.2	2.3	2.0	4.4	2.7	1.4				5.7	5.0
-127		7 11	7.4	3.4	-1.3	-3.5	-.8	1.1	1.8	3.9	3.8	2.3	4.3	.0	-1.8	5.2	3.5
-129		7 22	13.4	9.5	5.2	2.1	2.2	5.4	6.1	8.1	7.9	6.7	8.0	2.4		6.5	7.7
-131		7 33	9.3	5.9	2.9	2.5	5.3	4.7	4.9	6.5	6.5	5.1	6.0	1.2		6.3	6.9
-133		7 44	8.3	6.4	2.7	.4	1.3	2.4	3.9	5.6		5.2	6.9	2.1		3.4	5.5
-135		13 0	21.4	19.4	17.3	16.4	15.6	13.4	14.6	15.2	16.0	15.1				7.3	14.0
-137		13 10	18.3	16.4	12.9	10.0	7.8	5.0	5.6	6.2	6.6	5.8	9.7	7.1		5.7	10.0
-139		13 19	17.1	14.6	12.7	12.9	12.1	9.3	9.9	10.3	10.9	10.7				5.9	11.6
-141		13 29	16.4	13.7	8.9	5.6	3.9	.6	1.4	1.9	.7	1.6	3.0	-.5	-1.9	5.4	6.8
-143		13 44	13.2	10.2	6.1	3.4	1.3	-2.0	-1.2	-.1	1.0	.5	2.6	.7	-1.6	4.9	4.9
AA-104-126		7 4	11.5	9.0	6.8	8.1	7.3	4.6	4.4	5.1	6.3	5.8	6.1	3.0	2.2	5.8	7.5
-128		7 16	14.7	11.5	9.8	10.7	9.7	7.0	6.2	6.5	7.6	4.2	8.6	4.8		5.8	8.9
-130		7 28	14.5	12.5	10.9	11.8	11.9	10.0	9.3	9.7	8.5	9.3	11.0	7.1		6.0	10.5
-132		7 39	10.1	8.0	6.5	8.5	9.3	7.7	8.2	9.0	8.2	10.0	11.1	7.0		5.6	8.9
-134		7 50	13.7	12.8	10.7	11.9	11.9	10.3	10.5	11.9	11.4	13.0	14.6			6.4	11.2
-136		13 4	17.2	15.6	14.0	15.2	16.1	14.3	15.0	16.5	17.3					8.1	13.3
-138		13 14	19.0	17.2	14.6	15.3	15.8	14.2								6.6	11.8
-140		13 24	19.1	17.4	14.6	14.8	15.4	13.4								7.8	13.1
-142		13 36	15.9	13.9	12.7	14.6	15.1	13.2								5.6	10.8
-144		13 49	16.4	15.3	14.1	15.1	15.8	14.4								5.7	11.2
AA-103-145	16 SEP 80	7 19	1.2	-2.2	-2.6	-1.0	1.8	.6	6.3	7.9	11.1	9.2	12.4	11.1		5.9	3.1
-147		7 34	12.6	7.9	1.5	.5	9.4	7.8	5.9	10.1	10.9	9.6	12.5	10.1		7.8	8.5
-149		7 47	11.7	7.2	2.0	-1.7	-1.3	2.9	2.7	2.7	4.8	3.9	5.8	3.8	3.2	6.9	5.1
-151		8 0	16.4	15.2	11.7	9.0	6.7	3.1	3.1	3.0	3.0	1.4	2.5	-.1	.2	7.5	8.6
-153		8 12	21.3	19.5	16.5	13.8	12.1	9.6	11.0	10.8	10.4	8.7				8.8	14.5
-155		13 12	24.2	23.4	20.5	19.2	18.0	15.1	16.4	16.9	16.3	15.6	17.2			10.0	18.0
-156		13 21	29.4	29.8	28.8	27.5	27.2	23.9								10.2	20.9
-158		13 49	29.5	28.6	27.2	26.2	25.9	23.3	24.1	24.2						10.5	20.6
-159		13 51	25.4	25.5	23.9	23.3	22.2	19.1	19.9	19.8	18.8	17.7				10.3	19.5
-160		13 54	30.1	29.3	27.3	26.2	24.9	21.1	22.3	22.5		20.2				10.6	20.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE D15

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-157	16 SEP 80	13 42	2.4	1.6	.2	.9	1.9	.8	3.3	6.4	12.1	24.6	28.4	13.8	10.2	7.3	31.3
-161		14 8	2.0	1.5	-.4	.2	1.2	.5	3.6	6.3	12.2	24.0	26.0	12.7	9.5	7.6	24.2
-162		14 11	2.0	1.2	-.5	-.1	.9	.5	3.2	5.7	12.2	24.8	27.6	11.6	6.8	3.3	29.1
-163		14 13	2.1	1.1	-.4	.4	1.2	.9	3.3	6.0	11.8	24.6	28.3	11.6	7.1	5.5	35.3
AA-108-146		7 28	1.5	1.4	1.2	.2	.7	.5	2.5	4.0	5.9	14.4	11.0	4.5	3.4	3.3	29.5
-148		7 40	2.4	1.1	1.0	.1	1.1	.2	2.5	4.6	7.1	15.4	14.0	5.2	3.8	2.4	31.3
-150		7 53	2.6	1.2	1.0	.5	1.1	.4	2.8	4.1	6.4	12.4	14.9	8.2	6.5	6.3	32.7
-152		8 6	1.5	.5	.2	-.3	.0	.2	1.9	3.2	4.7	10.4	13.4	6.2	4.4	3.4	30.4
-154		8 21	1.7	.8	.6	-.2	.0	-.1	2.0	3.2	4.9	10.2	13.9	6.3	5.2	5.1	30.4
AA-103-164	17 SEP 80	7 5	7.5	8.2	7.6	9.0	10.0	9.6	11.4	12.8	14.8	17.9	22.1	26.6	34.6	34.6	29.9
-165		7 12	7.3	8.1	7.6	8.9	10.1	9.7	11.3	12.5	14.4	17.4	21.7	26.6	34.9	34.3	38.0
-166		7 20	7.0	8.0	7.4	8.7	9.8	9.8	11.4	12.8	15.0	18.3	22.3	27.2	34.8	35.5	31.3
-170		7 44	6.9	8.1	7.6	9.0	9.4	10.1	10.9	12.0	13.7	16.8	20.9	24.6	30.9	33.7	34.8
-171		7 47	5.7	6.7	6.0	7.4	8.0	8.7	9.9	11.1	13.1	15.5	19.5	22.6	28.2	29.2	32.2
-175		13 12	3.5	4.3	3.1	3.2	3.9	3.7	5.2	6.3	10.5	16.2	24.0	24.2	21.5	17.1	29.5
-176		13 22	3.0	3.8	2.4	2.9	3.7	3.3	4.7	6.1	9.5	15.8	24.5	21.4	17.7	13.3	30.4
-177		13 24	2.8	3.7	3.1	3.9	4.3	3.5	4.9	6.5	9.5	14.7	23.1	23.4	22.1	18.6	33.5
-178		13 28	5.8	6.2	5.2	6.1	6.8	6.2	7.7	9.2	12.1	17.0	25.8	27.7	25.9	22.5	35.7
-179		13 34	5.6	6.3	5.6	6.4	6.9	6.8	8.2	9.8	12.6	17.5	26.7	28.4	27.2	23.5	29.9
AA-104-167		7 27	1.3	.6	-1.0	-.5	-.2	-1.7	-.8	.7	5.5	14.7	24.0	17.6	12.4	3.5	35.4
-168		7 30	1.8	.4	-1.1	-.7	-.5	-2.7	-.8	1.1	6.7	15.7	24.5	16.4	12.1	3.9	32.3
-169		7 33	2.1	.9	-.9	-.7	-.7	-2.9	-.8	1.3	6.7	15.0	23.5	15.0	9.2	.7	30.9
-172		8 4	2.0	-1.3	-1.8	-2.2	-2.4	-3.3	-2.4	-.3	6.0	15.4	23.7	13.2	3.3	-3.0	33.1
-173		8 23	1.4	-.4	-1.5	-2.0	-2.7	-3.6	-2.6	.5	7.7	15.7	23.4	11.2	.9	-3.5	39.4
-174		8 27	2.2	-.6	-1.4	-1.7	-2.6	-3.3	-2.2	.5	7.3	16.2	25.1	15.0	4.4	-1.9	32.7
-180		13 51	3.1	1.5	.7	1.3	2.3	1.1	1.2	2.1	5.1	9.6	13.9	16.1	16.3	13.6	34.0
-181		14 2	3.0	2.3	1.2	2.2	2.6	1.6	2.0	3.0	5.9	10.5	16.0	18.7	19.0	16.0	30.4
-182		14 4	2.6	1.7	.6	1.5	2.0	.9	1.2	2.3	5.4	10.5	16.7	19.1	19.3	16.3	32.2
-183		14 6	2.6	2.1	1.1	1.7	2.3	1.1	1.4	2.6	5.6	10.4	16.2	18.9	19.7	16.3	30.0
-185		14 8	2.8	2.0	1.0	2.0	2.3	1.2	1.4	2.3	5.3	10.3	16.2	19.5	20.0	16.2	30.9
-186		14 13	2.7	1.7	.5	1.6	1.7	1.0	.9	2.2	5.2	10.1	15.8	18.5	18.7	15.8	31.3
-187		14 14	2.7	1.5	.4	1.3	1.7	.7	1.3	2.5	5.2	9.8	14.2	16.5	18.3	15.6	34.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 230 M

DATE 02 FEB 87
PAGE E15

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-157	16 SEP 80	13 42	3.6	.7	-1.4	1.6	3.7	4.1	4.9	6.8	4.7	5.0	7.5	2.8		6.2	4.0
-161		14 8	4.3	1.8	1.6	2.9	2.5	4.1	3.3	5.0		4.3	6.2	3.5		6.3	4.9
-162		14 11	.2	-1.6	-.9	3.3	2.5	1.3	3.1	4.9	4.4					5.5	3.2
-163		14 13	2.5	.7	-.6	2.2	4.5	3.2	4.1	4.7	3.3	2.3		-.4		6.0	4.0
AA-108-146		7 28	3.0	1.1	-1.0	-1.0	2.0	4.6	.6	2.2	2.4	2.4	1.5	.9		2.6	1.2
-148		7 40	.7	-1.2	-3.5	-2.2	3.2	3.5	-1.0	.9	1.6	.8	-1.0	-1.3	-2.3	2.9	.4
-150		7 53	5.1	3.8	2.0	1.3	.2	.0	.5	3.9	4.5	3.3	2.4	2.3	1.5	3.1	1.8
-152		8 6	2.4	1.2	-.4	-.3	-.7	-1.4	-3.4	-2.9	-2.2	-2.6	-3.1	-3.7	-4.7	1.6	-.8
-154		8 21	5.4	4.3	3.2	3.3	2.1	1.0	-1.6	-1.6	-.8	-1.1	-.3	.3	-.6	2.4	1.4
AA-103-164	17 SEP 80	7 5	33.6	31.6	29.9	28.9	28.1	25.0	25.3	25.8		24.0				16.3	25.0
-165		7 12	33.0	31.1	29.3	27.7	27.0	24.0	24.1	24.4	25.4	23.9				16.2	24.5
-166		7 20	34.1	32.3	30.9	30.1	29.1	26.1	26.4	27.6						16.4	25.4
-170		7 44	32.9	31.6	31.1	30.4	30.3	27.6	28.2	28.9		27.1				15.6	24.1
-171		7 47	29.1	29.2	28.6	27.9	27.8	25.2	25.3	25.9	25.1	23.7				14.1	22.4
-175		13 12	12.1	7.5	4.4	4.2	6.9	6.2	7.0	9.7	9.9	8.4	11.0			9.2	9.4
-176		13 22	8.5	4.3	1.6	2.5	4.1	3.0	4.8	6.9	7.6	5.7	8.4	2.9		7.9	6.4
-177		13 24	15.3	11.8	9.1	8.2	8.2	7.2	8.8	11.3		10.2	13.1			9.6	11.8
-178		13 28	18.6	14.7	10.9	8.0	8.1	8.2	9.6	12.4	12.5	10.0	12.2			11.9	12.8
-179		13 34	20.0	15.8	12.7	10.8	11.4	11.1	12.7	15.0	15.0	14.6	16.8			12.6	15.1
AA-104-167		7 27	-3.0	-3.7	-3.7	1.0	-.4	-.2	2.3	3.9	1.6	-1.5				3.4	2.0
-168		7 30	-1.4	-1.2	1.1	2.8	1.9	5.0	5.9	6.3						4.0	5.0
-169		7 33	-2.2	-.9	1.0	1.5	.2	3.0	3.0	3.5	1.7					3.9	3.7
-172		8 4	-7.0	-7.0	-4.8	-2.8	-3.2	-.4	.2	2.0		.1	1.3			.9	-1.2
-173		8 23	-3.5	-1.2	-1.7	.4	1.3									2.2	3.0
-174		8 27	-4.5	-3.7	-2.8	-.4	-1.7	1.6	2.5	4.1	1.7	3.5	4.0	.1		1.9	.6
-180		13 51	11.4	9.5	7.5	8.9	9.7	7.6	8.5	9.5	10.1					5.1	8.7
-181		14 2	13.2	12.8	12.4	13.5	13.6	10.9	11.5	12.6	11.8	12.0				6.0	11.3
-182		14 4	12.9	11.2	10.0	11.0	11.3	9.3	10.1	10.9	11.1					5.4	10.4
-183		14 6	12.5	11.5	9.7	10.6	10.7	8.2	8.4	9.0	8.7	7.9	10.2			5.5	9.6
-185		14 8	12.7	11.2	9.7	9.7	9.0	7.0	7.8	8.9	9.4	8.8				5.4	9.0
-186		14 13	13.1	11.6	10.1	11.0	10.9	8.5	9.0	10.0						5.1	9.3
-187		14 14	13.5	12.7	10.9	12.0	12.6	10.7								5.2	9.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 230 M

DATE 02 FEB 87
PAGE D16

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-188	19 SEP 80	7 1	-.7	-.4	-1.1	-.1	.4	.0	1.4	3.3	7.0	13.6	25.6	27.2	23.5	19.0	31.3
-189		7 3	-.2	.2	-.6	.4	.5	.4	1.4	2.9	6.6	13.7	26.2	27.0	24.4	22.3	32.6
-192		7 21	-.4	.1	-.7	.1	.2	.0	.9	2.4	6.0	12.4	24.6	24.0	19.6	14.9	30.9
-193		7 23	-.5	-.3	-1.1	-.1	.1	.2	1.0	2.4	5.7	12.2	24.9	24.1	19.0	14.7	30.4
-194		7 25	-1.0	-.8	-1.9	-1.4	-1.4	-1.5	-1.0	.6	5.2	15.0	23.9	14.9	10.8	5.4	30.9
-205		8 2	-1.6	-.7	-1.9	-.9	-.9	-.8	.2	1.6	4.9	11.9	25.2	23.0	20.7	17.1	29.1
-206		8 14	-1.0	-.3	-.7	.5	.4	.7	1.4	2.6	5.6	11.3	22.7	25.4	21.3	16.8	32.2
-207		12 53	-.9	-.8	-1.6	-.5	-.2	-.2	1.2	2.3	4.2	6.9	11.5	15.0	19.6	19.1	30.9
-208		12 55	-1.0	-.9	-1.8	-.6	.0	.2	1.6	2.6	4.4	7.1	11.8	16.2	20.3	19.6	31.3
-209		12 57	-.7	-.7	-1.4	-.3	-.1	.0	1.3	2.6	4.6	6.9	11.1	14.2	19.3	20.5	31.3
-210		12 59	-1.4	-1.2	-2.0	-.4	.1	.4	1.8	3.2	5.1	8.0	12.5	16.0	22.4	21.7	30.9
AA-104-190		7 12	7.0	5.7	5.0	5.2	5.7	4.4	5.3	7.2	11.2	18.3	30.5	27.4	23.5	18.4	29.1
-191		7 14	7.0	5.7	4.6	4.9	5.4	4.1	4.9	6.9	10.9	18.2	30.2	26.1	22.1	17.4	31.3
-195		7 33	6.1	4.7	3.8	3.7	4.3	3.5	4.2	6.8	12.5	22.1	30.9	22.4	15.3	8.9	29.5
-196		7 39	6.4	4.5	3.7	3.5	4.1	3.4	4.0	6.4	11.6	20.7	31.1	25.6	18.3	11.1	29.1
-197		7 42	5.6	4.6	4.0	3.9	4.2	3.7	4.1	6.6	11.6	20.2	31.2	24.9	19.1	15.1	30.0
-198		7 44	5.6	4.5	3.8	3.9	4.1	3.7	4.3	6.5	11.5	19.9	31.5	26.4	18.4	11.1	29.1
-199		7 46	5.9	4.2	3.4	3.6	4.1	3.4	4.1	6.4	11.2	18.9	31.0	25.7	19.8	14.5	29.5
-211		13 16	5.2	4.4	3.5	4.0	5.2	3.8	4.6	5.7	8.3	12.3	16.2	16.5	17.5	17.2	31.8
-212		13 21	5.7	4.8	3.8	4.5	5.5	3.9	4.7	5.9	8.5	12.9	17.3	18.6	20.5	20.3	31.3
-213		13 35	6.2	4.8	4.1	4.8	5.8	4.2	4.7	5.8	8.1	12.0	16.4	18.3	20.2	20.3	31.3
AA-103-214	23 SEP 80	7 8	.1	-.1	-1.8	-1.4	-1.0	-.8	1.7	3.4	6.4	12.4	23.3	21.5	19.8	16.8	31.3
-215		7 10	-.2	-.3	-2.3	-1.5	-.7	-.7	1.2	2.9	6.0	12.1	23.7	22.0	18.6	15.0	30.4
-216		7 12	-2.4	-.7	-1.9	-.9	-.7	-.4	1.3	3.1	6.6	13.1	24.2	22.0	17.9	13.6	29.1
-220		7 33	-2.2	-.8	-1.9	-.8	.0	.3	2.4	4.3	7.3	12.7	24.3	25.4	22.1	18.4	27.5
-221		7 35	-1.2	-1.3	-2.3	-1.6	-.6	.0	2.5	3.8	7.0	12.4	23.6	22.7	20.3	16.6	28.6
AA-104-217		7 21		2.6	1.8	2.7	2.5	2.2	3.3	5.2	9.2	16.4	25.5	21.9	19.4	14.8	30.4
-218		7 23	3.6	2.8	1.3	2.2	2.3	1.8	2.7	4.7	8.9	16.4	26.1	21.9	19.2	15.4	29.5
-219		7 24	4.0	3.1	1.3	2.5	2.3	2.1	2.9	4.8	9.0	16.3	25.5	21.9	19.1	14.6	30.4
-222		7 41	4.0	2.5	.9	1.9	2.6	1.4	2.3	4.3	8.5	15.5	25.1	21.1	17.5	13.8	29.1
-223		7 43	3.3	2.4	1.1	1.8	2.4	1.5	2.2	4.4	8.4	15.4	24.3	20.7	18.8	15.2	30.4
-224		7 46	3.4	2.5	1.2	1.8	2.5	1.4	2.4	4.5	8.6	15.6	24.7	21.7	18.2	14.5	29.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 230 M

DATE 02 FEB 87
PAGE E16

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-188	19 SEP 80	7 1	13.6	8.3	3.4	.3	2.9	2.7	5.0	6.0	5.6	4.7	4.4			6.2	6.8
-189		7 3	16.7	12.5	7.6	3.5	3.9	6.7	5.9	10.2	9.9	8.7	8.8			6.6	9.6
-192		7 21	9.5	5.1	.2	-3.7	-4.0	-2.7	1.6	1.5	1.5	-.2	1.5	-3.7	-6.1	4.7	2.6
-193		7 23	10.1	5.7	.7	-3.5	-3.9	-1.1	1.6	2.9	3.0	2.0	3.8	-.5	-3.4	4.9	3.4
-194		7 25	.3	-3.6	-5.9	-3.6	-2.9	-4.2	.1	.0	.5	-.2	1.3	-2.0	-3.5	2.3	-.1
-205		8 2	12.0	8.0	2.6	-2.1	-2.8	-.7	4.0	3.4	7.5	7.3	8.3	6.4		4.6	4.9
-206		8 14	10.9	6.8	1.9	-2.7	-4.3	-4.4	.5	3.8	3.7	1.7	3.8	1.0	-2.1	5.3	3.6
-207		12 53	15.8	14.1	12.1	10.9	9.8	7.7	9.6	10.3	11.5	11.0				5.2	11.0
-208		12 55	17.8	17.2	15.6	16.0	15.5	13.1	13.9	14.4	15.8	15.0				5.8	13.2
-209		12 57	19.5	18.6	16.9	14.6	13.6	10.8	11.7	12.4	14.1	13.7				5.5	12.5
-210		12 59	19.9	19.7	17.6	16.1	15.5	12.6	14.0	14.8	16.0	15.1				6.1	13.7
AA-104-190		7 12	15.5	13.4	11.6	11.3	7.9	3.6	2.7	6.7	9.0	7.0	7.4	4.0	3.1	9.4	9.4
-191		7 14	14.6	12.4	10.3	9.7	6.9	2.6	1.5	5.3	8.4	5.7	5.9	2.5	1.3	9.0	8.5
-195		7 33	3.6	.6	.4	3.0	2.7	1.8	5.7	8.1	9.4	7.6	10.7	7.5		7.9	4.9
-196		7 39	5.7	1.6	-.3	1.1	2.8	.4	6.0	8.9	10.9	7.3	9.7	6.0		7.7	4.7
-197		7 42	12.0	8.3	5.0	4.4	7.6	9.0	4.8	10.6		8.4	10.7	6.4		8.7	8.6
-198		7 44	6.8	3.6	1.1	.0	.1	1.8	1.6	4.6	6.0	2.1	4.7	.3	-1.0	7.3	3.6
-199		7 46	10.1	7.2	4.9	2.5	.5	.4	6.1	5.3		5.5	6.0	3.1	2.6	8.0	5.6
-211		13 16	17.2	16.4	14.8	16.7	17.0	15.0	15.6	17.2						8.1	13.3
-212		13 21	18.9	16.7	15.3	17.0	17.3	15.0								8.4	13.5
-213		13 35	19.2	17.7	17.2	18.4	18.0	15.6								8.2	13.2
AA-103-214	23 SEP 80	7 8	11.9	8.9	7.3	5.0	5.6	2.8	5.3	8.8	9.6	11.2	13.2			5.8	8.8
-215		7 10	11.2	9.1	5.7	1.9	2.4	1.1	4.8	6.7	8.6	9.2	10.9	11.5		5.4	7.1
-216		7 12	11.0	9.2	6.4	2.0	2.2	.7	3.2	4.1	2.3	3.1	3.8			5.6	6.2
-220		7 33	14.7	13.2	11.5	7.0	6.8	3.5	6.1	7.6	5.6	6.1				6.7	9.8
-221		7 35	12.8	10.7	9.2	4.9	5.4	2.5	5.4	6.2	6.2	5.8	6.9			6.2	8.5
AA-104-217		7 21	12.3	9.4	7.2	7.3	5.8	2.2	.3	.3	.6	-2.5	-1.8	-7.3	-8.3	6.5	4.7
-218		7 23	13.5	12.2	10.0	9.6	7.4	3.6	1.9	2.1	2.9	.8	.7	-4.1	-5.3	6.5	6.7
-219		7 24	12.6	10.3	8.0	8.2	7.0	4.3	3.7	4.2	4.1	1.1	2.5	-2.2		6.7	7.5
-222		7 41	11.8	9.2	7.4	8.0	6.0	2.6	1.2	1.1	1.5	-1.8		-4.9	-6.9	5.8	5.4
-223		7 43	13.5	11.3	9.6	9.8	7.8	4.7	3.2	3.0	3.6	-.4	1.2	-2.7		6.1	7.2
-224		7 46	13.1	10.6	9.2	10.1	8.8	5.7	4.7	4.6	4.8	1.0		-.7		6.3	8.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 230 M

DATE 02 FEB 87
PAGE D17

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-235	24 SEP 80	6 59	-1.4	.3	-.6	.7	.7	1.1	2.6	5.5	11.6	22.4	28.1	19.5	15.6	9.7	30.4
-236		7 1	-1.0	.4	-.4	.8	.9	1.2	2.8	5.7	11.6	22.4	30.8	21.8	16.6	10.3	30.5
-237		7 3	-1.2	.8	-.1	1.5	1.7	1.7	3.5	6.3	12.0	21.7	31.1	24.4	20.4	15.4	33.6
-238		7 4	-1.1	.7	-.3	.8	1.0	1.2	3.2	6.3	11.9	21.2	30.7	24.0	20.5	15.3	31.4
-243		7 24	.3	.7	-.5	.9	1.3	1.5	3.5	6.3	11.8	21.8	30.9	23.8	19.1	14.3	31.3
-244		7 26	.7	1.3	.6	1.9	2.0	2.3	4.4	7.1	12.3	21.5	31.8	25.8	22.5	17.6	31.3
-245		7 27	.3	1.1	.4	1.6	1.6	1.7	3.3	5.9	11.2	21.4	30.7	22.8	19.6	15.4	31.3
-246		7 29	.1	1.0	.2	1.6	1.9	2.1	3.9	6.2	11.2	20.6	30.0	23.3	21.3	16.9	31.3
-247		7 31	.1	.8	.0	1.3	1.4	1.6	3.4	5.9	11.2	20.7	31.9	23.8	19.8	15.2	32.2
-248		7 32	-.2	.5	-.4	1.0	1.3	1.7	3.7	6.2	11.5	20.6	31.0	24.2	20.9	16.0	31.8
-257		15 0	-.5	.7	-.3	1.1	1.6	1.7	3.3	4.9	8.0	13.6	23.2	24.8	23.1	19.8	31.3
-258		15 1	-.2	.8	-.1	1.4	1.8	1.5	3.7	5.1	8.2	13.6	23.4	26.1	26.4	23.0	31.3
-259		15 3	-.5	.5	-.4	1.0	1.4	1.2	3.4	4.6	7.3	13.3	21.7	23.8	24.0	20.5	31.8
-260		15 4	.0	.8	-.1	1.4	1.9	1.5	3.7	5.2	8.1	13.4	22.5	24.9	25.6	22.7	31.8
-261		15 6	.0	.9	.1	1.5	2.2	1.9	3.8	5.3	8.0	12.9	19.8	23.3	25.8	23.5	31.3
AA-104-239		7 12	5.3	6.5	5.3	7.3	8.3	7.9	9.4	11.3	13.7	12.6	9.5	10.4	11.8	11.5	30.9
-240		7 13	4.9	3.6	2.1	2.7	3.1	2.3	3.6	5.9	10.2	17.8	26.9	22.7	19.4	17.6	31.4
-241		7 15	4.7	3.5	1.8	2.7	2.8	2.2	3.6	5.8	10.1	18.2	27.7	21.2	19.1	16.6	30.5
-242		7 16	4.8	3.7	2.2	2.6	2.9	2.3	3.7	5.9	10.3	18.2	27.9	22.4	19.3	16.2	31.4
-249		7 39	4.7	3.5	1.9	2.7	3.0	2.3	3.7	6.0	10.4	18.2	27.2	21.2	18.4	17.3	30.5
-250		7 40	4.2	3.3	1.7	2.6	2.9	2.0	3.4	5.7	10.2	18.3	27.1	21.6	18.6	15.9	32.7
-251		7 42	4.3	3.3	1.8	2.5	2.7	2.1	3.3	5.7	10.2	17.9	26.8	22.0	19.0	16.6	32.3
-252		7 43	4.3	3.5	1.8	2.5	2.8	2.1	3.5	5.7	10.1	18.2	27.1	21.9	18.4	16.4	32.7
-253		7 45	4.2	3.5	1.9	2.7	2.9	2.2	3.4	5.7	10.2	18.2	27.7	20.9	16.8	14.3	30.9
-254		7 46	4.3	3.5	2.0	2.7	3.0	2.2	3.4	5.8	10.3	18.1	27.4	21.6	18.5	15.8	32.7
-255		7 48	4.0	2.8	1.5	2.2	2.5	1.7	3.0	5.3	9.9	17.7	27.1	21.4	18.2	15.6	45.2
-256		7 49	3.9	2.8	1.5	2.2	2.4	1.6	3.0	5.2	9.9	17.6	26.7	20.9	17.3	13.7	35.4
-262		15 17	3.5	2.9	1.4	2.4	2.0	2.2	2.7	3.9	7.9	13.0	17.1	15.8	17.3	16.1	32.7
-263		15 18	2.6	2.3	.8	1.6	.9	1.6	2.2	3.9	8.3	14.9	22.4	18.0	15.2	13.2	32.2
-264		15 24	4.0	3.2	1.8	1.9	1.3	1.4	.8	1.8	5.0	10.2	15.2	12.9	13.0	11.9	22.3
-265		15 26	2.3	2.0	.6	1.3	.8	1.5	1.8	3.4	7.8	13.9	19.3	17.2	13.0	11.6	32.2
-266		15 28	2.7	1.9	.3	1.2	.3	.7	1.1	3.3	8.9	16.0	22.7	15.9	11.8	8.7	33.6
AA-103-267	25 SEP 80	7 10	-1.1	-1.1	-2.1	-1.3	-1.0	-.7	1.6	4.7	9.3	18.1	27.1	20.0	16.5	12.3	31.3
-268		7 14	-.8	-.8	-1.6	-.6	-.8	-.6	1.3	4.0	9.3	18.8	28.9	21.8	18.6	13.6	31.3
-269		7 17	-.8	-.3	-1.0	-.1	-.2	.1	1.6	4.0	8.8	17.6	30.3	23.5	20.2	16.1	34.0
-270		7 19	-.7	-.2	-1.0	.1	.2	.3	2.3	4.7	8.9	17.5	27.8	23.0	21.0	17.3	31.8
-271		7 22	-.9	-.1	-.8	.4	.6	.6	2.5	4.6	8.3	15.9	27.5	23.8	21.7	19.0	31.7
-277		7 50	-.9	-.2	-.9	-.1	.2	.1	2.2	4.2	8.4	16.8	28.1	22.8	20.9	17.0	21.5
-278		7 51	-.1	.2	-.6	.2	.6	.6	2.6	4.5	8.6	17.0	28.9	23.1	19.9	16.2	30.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E17

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-235	24 SEP 80	6 59	5.0	1.2	-2.5	-2.5	2.2	-1.8	2.3	2.9	2.4	2.7	4.8	-.5		5.9	3.0
-236		7 1	6.1	2.8	-.8	-.5	2.9	-1.1	3.5	4.3	3.4	3.4	4.9	-2.1		6.7	4.5
-237		7 3	11.8	7.8	2.9	1.2	5.7	2.8	5.0	7.1	6.2	6.1	7.1			8.1	7.8
-238		7 4	11.7	8.3	3.5	2.2	6.7	3.9	4.4	8.1	5.1	6.8	6.8			7.9	8.0
-243		7 24	10.0	6.5	2.2	-.1	3.6	4.2	3.4	6.5	3.1	4.2	5.1			7.5	6.1
-244		7 26	14.6	11.5	6.7	4.4	8.3	6.3	6.8	10.6	8.1	8.9	9.9			9.0	10.2
-245		7 27	11.0	7.2	2.8	.7	4.9	4.4	3.4	6.9	5.8	4.9	6.4	-.9		7.6	6.7
-246		7 29	12.6	9.0	3.9	.2	1.9	4.9	3.9	7.7	7.1	6.5	8.1			8.1	7.5
-247		7 31	10.8	8.0	4.1	1.9	5.2	4.8	4.1	8.7	8.1	6.7	7.4			7.9	8.1
-248		7 32	11.8	9.2	4.8	1.7	4.1	5.0	3.9	8.5	7.7	6.5	8.1			8.0	8.2
-257		15 0	18.0	17.8	15.2	13.2	12.0	9.9	11.1	12.4		13.1				8.1	14.5
-258		15 1	20.7	19.4	15.9	13.3	11.1	7.2	7.9	8.7	8.1	8.0				8.4	13.5
-259		15 3	18.2	17.7	15.1	12.7	11.5	8.8	9.6	10.5		10.1				7.9	13.9
-260		15 4	19.7	18.4	15.5	13.4	11.5	8.4	8.7	8.9	8.4	7.9				8.5	13.5
-261		15 6	21.6	21.0	18.5	17.6	16.5	12.4	13.1	13.7	13.5	12.9				8.7	16.0
AA-104-239		7 12	12.1	11.7	11.1	12.8	12.6	10.6	10.1	9.9	11.4	9.0	8.8			10.9	11.4
-240		7 13	16.3	15.4	13.5	13.7	12.7	9.8	8.3	7.8	8.0	5.9	6.5			7.4	11.4
-241		7 15	14.9	13.2	11.5	12.5	10.9	7.5	6.1	5.7	6.1	3.7	5.9	-.2		7.3	9.9
-242		7 16	15.3	13.1	11.1	11.6	10.2	7.2	5.6	5.4	6.4	4.3	6.2	-.5		7.4	9.7
-249		7 39	16.4	14.0	12.6	13.3	11.4	7.9	6.0	6.1	6.4	4.9	6.7			7.3	10.4
-250		7 40	14.5	13.1	11.6	12.3	10.4	7.6	6.7	7.2	7.3	5.7	8.3			7.2	10.4
-251		7 42	15.1	13.5	12.4	12.9	11.1	8.4	7.3	7.6	8.0	5.5	7.9			7.1	10.8
-252		7 43	14.5	12.2	10.3	9.9	7.5	3.8	2.5	3.4	4.1	1.7	3.3	-1.9		6.9	7.8
-253		7 45	12.7	10.3	8.3	9.1	7.5	4.9	4.2	4.2		3.1	5.1			7.1	8.4
-254		7 46	13.8	11.5	9.5	9.9	8.3	5.1	3.7	4.3	4.9	2.8	4.7	-1.0		7.1	8.5
-255		7 48	13.7	11.4	9.5	9.9	8.0	4.5	2.9	3.4	4.3	1.3	3.5	-1.9		6.7	7.9
-256		7 49	12.0	9.9	8.3	8.9	7.1	3.9	2.6	2.7	3.4	.7	2.2	-2.8		6.6	7.2
-262		15 17	15.7	14.8	13.1	13.5	11.9	9.6	9.8	9.8						6.2	11.4
-263		15 18	11.3	8.6	6.7	6.8	6.1	3.5	2.2	3.6		1.8				5.8	7.6
-264		15 24	10.9	10.5	8.6	7.6	6.2	3.3	2.4	2.8	3.7	1.8	3.8			3.8	6.4
-265		15 26	11.4	10.6	9.0	9.7	10.7	9.7	10.1	11.8						5.6	10.5
-266		15 28	6.5	4.6	1.8	.9	-.1	-2.4	-2.4	.0	.5	-2.7	-.3	-6.3		4.8	2.7
AA-103-267	25 SEP 80	7 10	8.0	4.1	-.7	-4.0	-2.6	.1	.3	4.3	5.6	3.5	5.6	1.6	-.7	5.3	3.2
-268		7 14	7.9	3.1	-1.3	-4.1	-2.1	-1.7	-1.8	4.4	5.6	3.4	5.0	2.1		4.9	2.5
-269		7 17	10.8	6.0	1.1	-3.1	-3.8	-2.6	.3	1.1	6.5	5.4	5.3	3.4		5.4	3.4
-270		7 19	12.9	9.2	4.7	.6	-2.0	-4.9	-1.9	3.6	4.2	1.7	.3	-.9	-1.7	5.9	3.8
-271		7 22	15.0	13.4	11.2	8.4	6.9	3.9	3.8	3.2	3.1	.4	.9	-2.4	-2.9	6.9	7.8
-277		7 50	13.3	9.9	5.3	1.1	-.9	-3.5	-1.7	2.0	4.6	2.0	1.4	-1.3	-2.7	6.0	4.6
-278		7 51	12.4	9.1	4.9	.5	-1.9	-4.5	-2.7	1.4	5.1	4.2	2.1	-.7	-1.6	6.1	4.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 230 M

DATE 02 FEB 87
PAGE D18

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-272	25 SEP 80	7 30	2.9	1.9	.3	.9	.9	.7	1.8	4.5	9.5	17.8	26.8	17.3	13.3	9.1	35.3
-273		7 32	2.8	1.8	.3	1.1	1.1	.9	2.0	4.5	9.4	17.3	25.9	16.8	12.9	9.8	31.7
-274		7 34	2.9	1.8	.3	1.0	.9	.7	1.8	4.3	9.3	17.1	24.9	15.7	12.4	9.9	32.2
-275		7 36	2.9	2.0	.5	1.2	1.1	1.1	2.3	4.7	9.7	17.7	26.4	18.3	14.3	10.3	36.6
-276		7 38	3.2	2.1	.6	1.5	1.8	1.7	2.7	5.4	10.5	18.4	28.3	21.6	17.0	13.7	30.4
-279		8 0	2.8	1.8	.5	1.0	1.2	1.0	2.1	4.6	9.2	16.2	24.3	19.3	16.6	13.7	32.6
-280		8 2	2.8	1.8	.4	1.1	1.4	1.0	2.0	4.3	9.0	16.1	24.1	18.6	15.4	12.0	40.7
AA-103-281	30 SEP 80	14 15	-.8	.7	-.1	1.8	2.2	2.2	4.2	6.0	9.4	14.2	20.3	20.8	21.4	21.0	31.8
-282		14 17	-.9	.6	-.3	1.5	2.0	2.1	3.8	5.5	8.9	14.0	20.2	22.0	23.2	23.5	31.3
-283		14 19	-.7	.6	.0	2.3	2.9	3.3	5.0	6.8	10.1	14.6	20.5	23.3	26.4	27.9	31.3
-284		14 21	-.8	.5	-.2	1.6	1.7	2.0	4.0	5.7	9.2	14.0	20.2	23.0	24.6	23.5	32.2
-285		14 22	-.5	.8	.3	2.2	2.7	3.4	4.9	6.9	10.1	14.4	20.1	24.0	25.4	26.2	31.8
-291		14 44	-.2	.8	.3	2.2	3.0	2.9	5.0	7.0	10.5	15.0	21.4	24.6	26.3	26.1	32.7
-292		14 47	-.5	.8	.2	2.1	3.0	2.9	4.4	6.3	9.6	13.9	18.8	21.7	24.0	24.5	32.7
-293		14 48	-1.0	.2	-.7	1.1	1.7	1.5	3.4	5.3	8.7	13.0	18.7	20.2	21.3	22.9	34.5
-294		14 50	-1.5	-.2	-.9	.5	.8	.9	2.7	4.6	8.3	14.0	20.8	21.7	21.3	20.2	31.3
-295		14 53	-1.0	.2	-.5	1.2	1.8	1.8	3.7	5.5	8.8	13.6	19.9	21.9	23.1	23.5	34.0
AA-104-286		14 30	2.8	2.2	.8	1.6	2.5	1.5	3.8	4.9	8.3	13.0	18.1	16.8	12.9	11.0	31.3
-287		14 31	1.9	1.1	-.1	.6	1.7	.9	2.6	4.2	8.2	16.1	21.0	13.7	8.9	7.5	31.7
-288		14 33	2.4	1.4	.6	1.2	2.4	1.7	3.9	5.6	9.3	17.1	21.8	14.1	10.5	9.5	34.4
-289		14 34	2.8	1.6	.6	1.4	2.4	1.8	3.8	5.4	8.8	14.9	19.8	14.4	9.7	10.4	30.4
-290		14 37	3.2	2.7	1.6	2.5	3.9	3.2	5.1	6.5	9.6	16.6	22.3	16.9	12.4	12.1	32.6
-296		15 13	2.4	1.9	.5	.9	2.3	1.0	2.8	4.5	8.6	15.2	19.3	13.1	8.8	8.3	31.3
-297		15 25	2.7	1.9	.7	1.4	2.9	2.0	4.0	5.9	10.4	20.1	24.8	13.8	7.9	7.1	31.3
AA-103-299	01 OCT 80	7 0	-2.2	-.5	-1.9	-.7	.4	.4	4.1	8.2	16.4	29.1	28.3	20.6	15.8	9.6	31.3
-300		7 2	-2.3	-.7	-2.0	-.8	.3	.3	4.1	8.3	16.6	28.8	26.0	17.2	13.3	8.8	32.2
-301		7 3	-2.3	-.7	-1.8	-.7	.3	.2	3.9	8.5	16.5	29.4	28.4	19.7	14.7	8.5	31.8
-302		7 5	-2.0	-.6	-1.9	-.8	.2	.0	3.6	8.1	16.1	29.2	28.4	19.8	14.7	7.9	30.9
-303		7 7	-1.6	-.9	-2.0	-.9	.1	-.1	3.7	8.0	16.1	28.0	25.0	17.0	13.0	7.4	21.9
-309		7 32	-1.5	.0	-1.1	.4	.3	1.4	3.9	7.5	15.4	28.8	30.5	21.0	17.1	13.2	35.0
-310		7 33	-1.8	.1	-.9	.5	.6	1.5	4.2	7.5	15.3	29.1	30.4	21.3	17.1	13.6	32.7
-311		7 35	-1.1	.3	-.9	.7	.8	1.6	4.2	7.1	14.7	29.1	30.6	22.2	18.5	14.9	32.2
-312		7 36	-1.6	.2	-.8	.7	.9	1.6	4.2	7.1	14.5	28.8	29.8	21.0	16.6	13.1	32.7
-313		7 38	-1.6	.2	-.9	.7	.7	1.8	4.2	7.2	14.6	28.8	30.7	21.1	16.6	12.4	32.3
-319		7 59	-1.4	.5	-.5	.9	1.1	1.6	3.9	6.5	12.4	24.2	27.3	20.7	17.4	13.0	35.4
-320		8 0	-1.2	.5	-.6	1.0	1.2	1.6	4.0	6.4	12.3	23.8	26.8	19.6	17.2	13.4	32.7
-321		8 1	-1.2	.5	-.5	.8	1.1	1.7	4.0	6.5	12.3	23.6	27.1	19.9	17.6	13.7	31.8
-322		8 3	-.9	.7	-.4	1.1	1.2	1.9	4.0	6.5	11.9	22.7	27.2	21.8	19.4	15.8	32.7
-323		8 8	-.6	1.3	.2	1.6	2.0	2.4	4.8	7.1	12.4	22.9	28.0	23.5	21.4	17.5	32.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E18

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-272	25 SEP 80	7 30	7.0	4.5	1.6	.2	-1.9	-5.2	-5.7	-3.2	-1.0	-3.1	-2.2	-7.2	-8.1	4.4	.5
-273		7 32	8.6	6.9	5.2	4.5	2.7	-.6	-1.5	-.1	.8	-3.3	-1.9	-6.3	-7.6	5.2	3.6
-274		7 34	9.8	9.4	7.4	6.0	3.8	.2	-.6	.6	1.6	-2.6	-1.5	-5.7	-7.3	5.4	4.5
-275		7 36	8.5	6.7	4.8	3.9	1.8	-2.0	-3.5	-2.3	-1.4		-4.2			5.1	2.0
-276		7 38	11.4	9.6	6.9	4.9	2.0	-2.2	-3.7	-1.3	1.0	-1.3	2.7	-2.7	-4.4	6.0	3.3
-279		8 0	12.1	10.8	9.7	10.5	10.0	8.0	8.1	8.3	7.9	7.3				6.2	9.9
-280		8 2	10.8	9.7	8.8	9.3	8.8	6.5	6.2	6.5	7.5	5.1				6.0	8.7
AA-103-281	30 SEP 80	14 15	19.6	17.3	14.7	13.8	12.9	10.7	12.1	12.6	11.8	11.9				9.4	14.8
-282		14 17	21.6	20.3	17.6	16.8	15.4	12.3	12.9	13.6	12.6	13.0				9.1	16.0
-283		14 19	26.5	24.9	22.9	22.7	21.2	18.2								10.4	19.4
-284		14 21	22.7	20.6	18.1	17.5	16.2	13.2	14.2	14.7	14.7	14.4				9.5	17.0
-285		14 22	25.1	22.8	20.6	19.7	18.7	16.5	17.7	18.2		17.9				10.4	18.9
-291		14 44	24.6	22.2	19.5	18.8	17.6	14.8	16.0	16.8		16.5				10.4	18.3
-292		14 47	24.3	22.2	20.2	19.8	19.1	16.0	17.2							9.7	18.4
-293		14 48	21.7	19.3	17.5	16.7	15.6	13.1	14.4	15.2		14.5				8.7	16.0
-294		14 50	18.8	16.8	14.5	13.3	12.3	9.5	10.6	10.6	10.4	9.8	12.8			8.4	14.1
-295		14 53	23.1	21.1	19.0	18.2	16.8	14.0	15.3	15.7		15.0				9.1	17.0
AA-104-286		14 30	11.1	10.1	8.2	9.9	10.1	8.3	8.3	7.7						6.0	9.5
-287		14 31	5.3	2.7	.1	.4	-.3	-2.6	-2.3	-1.0						5.3	3.0
-288		14 33	8.4	5.8	3.8	4.4	4.0	2.2	2.6	3.8						6.8	6.6
-289		14 34	9.4	8.3	6.6	7.6	7.3	5.3	5.1	6.7		3.9				6.8	8.3
-290		14 37	10.8	9.6	8.4	9.2	9.4	8.2	8.7	9.9						8.3	10.8
-296		15 13	6.8	5.2	3.2	4.3	4.5	2.7	3.2	4.4		2.6				5.8	5.7
-297		15 25	5.0	2.9	1.0	1.2	.8	-.2	.8	2.8		2.8				6.8	4.0
AA-103-299	01 OCT 80	7 0	3.2	-1.9	-3.8	4.2	3.5	2.7	6.3	7.7	6.5	4.6	5.2	.8	-.3	6.8	4.1
-300		7 2	3.2	-2.0	-3.3	4.7	4.6	3.4	8.8	8.1	7.1	6.4	6.9	3.4		7.1	4.8
-301		7 3	1.4	-2.8	-2.8	3.0	5.1	4.7	9.4	9.1	7.8	7.6	8.2	4.2		7.0	4.6
-302		7 5	1.0	-2.6	-2.7	1.3	4.5	2.7	8.2	8.2	8.0	7.4	9.0	4.8		6.4	3.9
-303		7 7	.9	-3.0	-3.5	.4	5.0	2.2	6.8	7.3	7.3	6.9	8.1	5.4		6.0	3.3
-309		7 32	7.4	2.1	-2.5	.0	6.1	1.8	8.0	8.8	9.0	9.0	9.8	5.0		7.3	5.3
-310		7 33	8.1	2.6	-3.0	-2.0	7.9	4.8	8.8	9.3	10.5	8.8	10.5			7.5	5.4
-311		7 35	9.1	4.0	-1.5	-1.2	5.1	5.8	7.2	9.8	7.2	7.2	9.3	5.2		7.9	6.4
-312		7 36	7.8	2.6	-2.6	-.6	3.1	4.5	6.1	7.7	6.7	6.1	7.7	3.2		7.4	5.4
-313		7 38	6.6	1.3	-3.5	-.7	4.1	6.8	5.2	8.5	7.3	6.3	8.5	4.7		7.3	5.0
-319		7 59	8.9	4.3	-1.2	-4.0	-3.6	-3.3	2.0	5.3	4.5	2.1	3.6	.8	-1.5	6.4	2.7
-320		8 0	9.5	5.4	-.1	-3.3	-3.8	-4.3	.2	3.9	4.1	2.2	2.0	-.2	-1.5	6.4	2.6
-321		8 1	9.9	5.9	.6	-2.8	-3.6	-4.5	-.7	2.9	3.4	2.4	2.2	.0	-1.6	6.4	2.7
-322		8 3	11.8	8.0	2.9	-.1	-1.4	-3.1	-.9	1.6	2.1	1.7	2.7	-.5	-2.2	7.0	3.9
-323		8 8	13.5	9.4	4.5	1.0	-.5	-2.5	.0	2.7	3.3	2.7	4.2	1.3	-.6	7.8	4.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 230 M

DATE 02 FEB 87
PAGE D19

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-304	01 OCT 80	7 17	1.8	-.4	-1.2	-1.1	.6	-.2	2.1	6.6	15.1	28.0	19.9	7.3	4.2	.2	31.3
-305		7 19	1.0	-1.0	-2.0	-1.9	-.1	-1.3	1.2	6.0	15.0	25.0	15.2	3.5	1.5	-1.3	31.3
-306		7 21	.5	-1.5	-2.5	-2.4	-.5	-1.3	1.1	5.6	14.7	24.8	14.7	2.4	-.8	-3.8	31.3
-307		7 22	1.0	-.9	-1.8	-1.7	.0	-.8	1.6	6.5	17.0	24.5	16.0	3.9	.8	-2.3	32.2
-308		7 24	.9	-.9	-1.7	-1.6	.2	-.5	1.5	5.4	14.6	26.6	17.8	5.7	2.6	-.3	31.3
-314		7 44	1.8	-.2	-1.1	-1.0	.7	-.1	2.2	7.2	17.0	27.6	18.7	6.3	3.2	.0	31.3
-315		7 46	1.5	-.2	-1.1	-.7	.8	-.1	2.3	6.9	16.2	28.4	19.1	6.7	4.3	1.3	31.3
-316		7 47	1.1	-.5	-1.4	-1.5	.1	-.8	1.4	6.0	15.5	27.8	18.4	4.5	.8	-1.7	31.3
-317		7 49	1.2	-.4	-1.3	-1.1	.5	-.5	1.8	5.8	14.8	27.8	21.6	8.6	4.1	1.0	31.3
-318		7 50	.7	-.9	-1.9	-1.9	-.3	-1.4	.6	4.6	12.4	24.5	20.3	9.1	6.1	4.0	33.5
-324		8 15	1.6	.1	-.8	-.3	1.1	-.1	2.1	5.6	12.1	23.4	23.3	12.8	9.1	5.9	34.4
-325		8 17	1.1	-.3	-1.5	-1.4	.1	-.8	1.6	5.0	12.3	24.9	20.9	8.9	4.4	1.6	33.5
-326		8 18	.9	-.5	-1.5	-.9	.5	-.7	1.7	5.1	11.7	24.0	21.7	11.2	7.7	5.7	32.6
-327		8 20	.9	-.3	-1.6	-.8	.7	-.6	1.8	5.2	11.8	23.2	22.4	12.8	10.0	8.2	31.3
-328		8 22	1.3	-.1	-1.0	-.7	.4	-.4	1.8	5.4	11.9	23.7	24.4	14.9	10.9	7.5	30.4
-329		8 24	.6	-.6	-1.6	-.9	.5	-.4	1.7	5.0	11.4	23.2	23.0	13.5	10.9	9.0	33.5
AA-105-330	16 DEC 80	7 29	-.2	-.2	-.7	.0	1.0	-1.6	.1	3.0	7.3	15.5	25.9	23.9	18.6	12.0	29.5
-331		7 31	-.8	-.6	-1.3	-.4	.6	-1.9	.1	2.9	7.0	15.3	27.5	24.5	21.8	16.0	45.6
-332		7 34	-.2	.0	-.4	.3	1.2	-1.3	.3	2.8	6.5	14.0	25.2	26.0	22.8	16.6	33.1
-333		7 36	.2	.4	-.1	.6	1.2	-1.3	.1	2.4	5.8	12.9	22.7	24.2	21.5	15.5	34.4
-334		7 39	-.7	-.3	-1.2	-.4	.8	-1.6	.2	2.6	6.4	13.0	22.2	22.0	20.0	15.7	35.3
-335		7 41	-.3	.1	-.2	.7	2.0	-.2	1.3	4.2	8.1	15.5	25.2	24.7	22.4	17.1	32.7
AA-106-336		7 51	3.8	3.4	3.0	3.1	3.4	1.5	1.9	3.6	7.0	11.5	15.4	19.3	19.4	14.5	32.7
-337		7 53	3.4	2.9	2.7	3.0	3.2	1.4	2.1	3.7	7.1	11.3	14.5	17.8	19.9	16.2	34.1
-338		7 56	3.6	3.4	3.4	3.7	4.0	2.5	3.1	5.0	8.4	12.6	15.5	19.3	22.9	19.9	37.6
-339		8 7	3.5	2.9	2.9	3.3	3.4	1.6	1.9	3.6	6.9	11.1	14.2	17.7	18.9	13.8	32.3
-340		8 9	4.1	3.2	2.9	3.1	3.5	1.6	2.3	4.0	7.4	11.5	14.1	16.8	19.5	16.9	35.4
-341		8 11	3.7	3.0	3.0	2.9	3.4	1.4	2.2	3.9	7.2	11.3	13.6	15.9	19.1	16.9	33.6
AA-105-342	17 DEC 80	8 2	.0	-.2	-.9	-.3	.5	-1.8	-.3	2.8	7.9	20.3	31.6	23.6	19.2	11.8	34.4
-343		8 8	.3	-.1	-.8	.0	1.0	-1.6	-.1	2.7	7.6	19.3	31.6	25.2	20.3	14.1	34.9
-344		8 10	.4	-.1	-.7	.0	.8	-1.6	-.2	2.8	7.9	19.5	31.3	24.3	20.0	13.8	36.2
-345		8 12	.2	-.2	-.8	-.2	.8	-1.8	-.3	2.7	8.2	20.4	31.1	22.9	18.5	12.7	44.7
-346		8 14	.4	.0	-.8	-.2	.8	-1.9	-.3	2.7	8.1	20.6	30.5	24.5	20.6	13.7	34.0
-354		13 13	1.2	.6	.1	1.3	2.8	.6	2.1	4.5	6.9	11.1	14.3	18.3	25.4	24.8	49.2
-355		13 17	1.3	.7	.2	1.2	2.5	.4	2.0	4.0	6.4	10.7	13.2	17.1	22.6	22.6	34.4
-356		13 18	1.4	.9	.5	1.7	3.2	1.4	2.8	4.9	7.4	11.6	14.6	18.6	25.0	25.0	35.8
-357		13 20	1.6	.7	.2	1.3	2.8	.7	2.4	4.8	7.4	11.8	15.3	19.9	28.0	28.2	34.4
-398		13 22	2.1	1.9	1.5	2.9	4.8	2.9	4.9	7.2	10.0	14.1	17.3	21.9	29.4	28.3	35.3
-399		13 23	1.5	.6	.1	1.2	2.6	.6	2.1	4.2	6.6	10.8	13.7	17.2	23.7	23.7	34.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-80B-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E19

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-304	01 OCT 80	7 17	-2.3	-5.1	-5.1	-3.1	-3.1	-3.1	.2	-.3	1.3	1.2		-3.0		2.9	-1.8
-305		7 19	-3.1	-6.3	-6.9	-4.8	-3.8	-4.2	-1.9	-1.0	-2.0	-2.0	-.8	-5.8	-7.5	1.8	-3.1
-306		7 21	-5.1	-6.9	-6.3	-4.7	-5.4	-6.2	-3.1	-2.5	-1.9	-1.8	-.4	-5.2	-6.6	1.2	-4.0
-307		7 22	-3.1	-3.9	-3.3	-2.8	-5.0	-4.3	-.1	.0	.6	.4	2.0	-3.3		2.8	-1.7
-308		7 24	-2.1	-4.7	-4.4	-.6	.6	-2.6	-.3	1.3	-.7	.5	1.6	-4.3		3.0	-1.0
-314		7 44	-1.9	-4.9	-5.4	-2.2	-.9	-2.1	-1.7	-.4						3.4	-1.3
-315		7 46	-.4	-3.9	-5.0	-2.7	-1.6	-2.6	.6	.3	.8	.6	1.7			3.4	-1.1
-316		7 47	-3.4	-6.4	-7.0	-3.4	-1.0	-5.5	-3.5	-2.3	-2.9	-3.6	-2.1			2.2	-3.2
-317		7 49	-1.2	-4.7	-5.5	-1.3	-.7	-2.1	-2.7	-.1	-.2	-.9	.7	-4.1	-6.2	2.9	-1.5
-318		7 50	3.0	.8	-1.6	-2.1	-1.1	-.6	-1.2	.5	1.3	-.4	1.5	-3.8		3.5	.6
-324		8 15	3.6	1.1	-1.7	-3.4	-5.1	-6.5	-1.9	-.5	-1.5	-1.5	.6	-3.4	-5.0	3.8	-.8
-325		8 17	-.5	-3.2	-5.8	-6.1	-5.8	-4.7	-1.7	-2.0	-2.1	-1.8	-1.0	-5.8	-6.7	2.5	-2.8
-326		8 18	3.8	1.5	-1.3	-2.9	-4.1	-3.9	-1.1	1.5	-.7	-.9	2.3	-3.6		3.7	-.2
-327		8 20	6.4	4.9	2.6	.1	-2.6	-4.2	.0	3.0	2.4	.4	4.5	-1.3		4.6	1.9
-328		8 22	5.4	2.8	.1	-.7	-2.2	-2.3	1.3	2.5	3.9	2.8	4.6			4.5	1.6
-329		8 24	6.2	3.1	-.3	-2.3	-4.1	-5.0	-.9	1.1	1.8	-.3	3.7	-1.9		4.0	.3
AA-105-330	16 DEC 80	7 29	8.1	2.3	-.5	.2	1.8	.4	2.4	4.4	3.0	2.3	2.3			5.2	4.7
-331		7 31	12.8	7.5	4.5	4.5	6.0	4.7	6.4	8.4	8.0	6.4	5.5			5.8	8.6
-332		7 34	13.0	6.7	2.6	.4	2.9	3.1	1.7	5.2	2.2	2.4	1.5			5.5	6.2
-333		7 36	12.8	7.3	4.0	2.3	3.9	3.6	2.8	5.5	3.6	4.4	2.1			5.2	7.0
-334		7 39	13.8	9.9	7.6	5.3	3.6	3.1	4.7	7.4	6.0	6.5	5.5			5.6	8.4
-335		7 41	15.3	10.8	7.2	4.8	4.6	4.7	5.4	7.9	5.9	7.3				7.0	9.3
AA-106-336		7 51	12.1	10.4	9.8	10.9	9.4	8.0	7.4	7.5	6.5	6.1	4.6			6.2	9.4
-337		7 53	14.3	11.7	10.6	11.4	10.3	8.9	9.0	9.7	6.2	7.2				6.3	10.3
-338		7 56	19.3	17.3	16.7	18.0	16.4	15.0	15.0	16.2						7.6	14.1
-339		8 7	11.5	9.9	9.3	10.5	9.9	9.4	9.1	10.1	9.6					6.1	10.0
-340		8 9	16.2	15.6	15.2	15.2	13.8	12.9	12.9	13.6	14.3					6.5	12.3
-341		8 11	15.9	15.3	15.2	15.6	14.2	13.1	13.2	13.6	14.1	12.2				6.5	12.4
AA-105-342	17 DEC 80	8 2	8.0	2.1	-2.2	-4.7	-3.7	-1.6	-1.5	-2.3	-1.7	-3.9	-5.0	-11.9	-9.1	3.7	.6
-343		8 8	10.6	4.4	-.7	-3.0	-1.0	2.1	.8	.5	1.2	-1.4	-1.4	-6.9		5.0	3.5
-344		8 10	9.7	2.2	-3.1	-3.9	.2	3.6	-.2	1.2	2.2	.2	1.6	-5.2		4.9	3.3
-345		8 12	8.7	1.5	-3.7	-2.1	5.6	.7	.5	5.5	3.9	2.5	3.7	-4.5		5.0	4.0
-346		8 14	8.9	1.7	-2.8	-.6	6.8	-.2	.9	4.9	3.6	2.8	3.7	-4.1		5.2	4.4
-354		13 13	24.4	22.2	22.2	21.4	20.1	17.6	18.0	18.7						8.2	17.4
-355		13 17	23.3	21.4	21.2	21.3	20.8	18.4	18.8							7.7	17.1
-356		13 18	25.4	23.2	22.7	22.1	21.3	19.1	19.7							8.7	18.2
-357		13 20	27.4	25.1	24.8	24.4	23.7	21.3								8.6	19.0
-358		13 22	28.6	26.5	26.6	26.3	25.2	22.9								10.7	20.8
-359		13 23	24.3	22.3	22.1	21.6	20.9	19.1	19.9							7.7	17.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE D20

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-360	17 DEC 80	13 42		-.1	.1	-.2	1.3	-.9	-.2	1.7	5.4	11.7	20.4	18.8	13.4	7.2	33.6
-361		13 45	1.7	.5	.3	.0	1.0	-1.1	-.5	1.4	5.3	11.3	18.8	17.3	12.0	6.2	34.4
-362		13 50	-2.3	-.8	-.5	-.9	.3	-2.1	-1.3	.6	5.0	12.5	22.6	19.0	12.3	7.0	32.7
-363		13 54	-.3	-.9	-1.2	-1.7	-.4	-2.8	-2.1	.0	4.1	10.8	19.1	16.2	12.0	5.8	29.5
-364		13 57	-.7	-.1	-.4	-.4	.5	-1.7	-1.2	1.0	5.5	12.7	21.9	18.0	12.8	6.5	34.6
-365		14 1	.0	.7	.1	-.7	.6	-1.6	-.7	1.4	6.7	15.0	22.1	17.3	10.1	3.1	31.5
-366		14 6	-.9	.4	.4	.0	.9	-1.3	-.5	1.5	6.1	13.2	21.4	19.0	12.9	6.1	32.8
AA-105-367	08 JAN 81	10 30	-1.6	-2.7	-2.0	.9	8.1	10.3	18.5	21.8	22.4	19.9	16.0	11.9	10.5	8.3	35.3
-368		10 31	-1.3	-2.5	-2.0	.5	7.6	10.0	18.0	21.5	22.1	20.3	16.2	13.4	12.6	9.8	37.1
-369		10 34	-1.2	-2.3	-1.7	.9	7.4	10.1	19.0	22.9	25.0	22.9	20.0	16.9	14.9	11.4	34.9
-370		10 35	-1.6	-2.5	-2.3	.4	7.1	10.2	18.0	21.8	22.8	21.2	15.7	12.4	10.9	9.1	35.3
-371		10 37	-1.0	-2.2	-1.7	.7	7.0	10.0	19.0	23.9	24.9	24.1	19.1	13.7	11.4	8.2	35.3
-372		10 39	-1.3	-2.3	-1.8	.7	6.9	9.9	17.9	21.8	22.7	22.0	17.3	12.4	11.5	9.6	35.3
-373		10 41	-.9	-2.1	-1.4	.9	7.2	10.3	19.0	23.3	23.9	21.9	17.0	12.5	10.5	7.9	36.2
-374		10 43	-1.0	-1.9	-1.5	.9	7.0	10.0	18.6	23.8	25.9	24.7	21.6	16.3	12.7	10.0	34.4
-375		10 45	-1.1	-2.4	-1.7	.8	6.7	10.0	18.0	22.3	24.1	22.0	18.6	14.2	11.8	10.4	35.7
-376		10 46	-.9	-2.1	-1.5	.9	7.6	10.1	18.8	23.5	25.9	25.1	20.5	16.4	13.9	11.8	37.1
-377		10 48	-.9	-2.0	-1.5	1.2	7.3	10.0	18.5	22.9	25.5	24.4	19.9	15.4	13.5	11.0	34.8
AA-105-378	09 JAN 81	8 48	-1.9	-2.7	-2.1	.9	6.5	8.6	16.9	21.6	23.0	19.7	16.7	15.0	13.4	10.7	35.3
-379		8 50	-1.5	-2.5	-1.8	1.2	6.9	9.7	18.9	20.5	22.2	20.4	16.6	12.8	11.2	9.3	35.3
-380		8 51	-2.2	-2.6	-1.7	1.3	7.4	10.4	19.5	19.8	20.8	18.3	14.7	12.7	11.2	9.2	35.3
-381		8 52	-1.8	-2.2	-1.2	1.8	7.5	10.3	19.0	20.6	21.6	19.6	15.3	13.1	12.5	10.6	36.2
-382		8 57	-2.1	-2.2	-1.3	1.5	7.4	10.1	17.7	20.4	20.7	18.5	14.2	11.0	9.4	7.0	35.3
-383		8 58	-2.2	-2.2	-1.4	1.6	7.5	10.5	17.6	19.3	20.3	18.3	13.7	11.2	10.4	7.9	36.6
-384		8 59	-2.3	-2.2	-1.4	1.5	7.3	10.1	18.1	21.5	23.5	19.7	15.0	12.4	10.2	8.3	37.5
-385		9 1	-2.3	-2.3	-1.5	1.5	7.0	10.1	17.3	18.8	18.8	17.0	12.9	10.4	8.1	5.6	35.3
-386		9 2	-2.3	-2.2	-1.7	1.4	7.1	10.2	17.3	19.0	20.3	17.3	12.2	8.0	5.0	2.4	37.1
-387		9 3	-2.0	-2.1	-1.2	1.7	7.5	10.6	17.6	20.3	22.2	19.2	14.2	11.5	9.2	6.6	40.2
-388		14 9	-3.5	-2.3	-1.9	1.0	6.5	9.5	19.1	23.3	24.5	23.6	19.2	16.2	14.5	13.8	37.1
-389		14 12	-2.3	-1.6	-.9	1.8	7.0	9.7	19.1	22.7	25.3	26.0	21.3	18.1	16.4	15.5	36.2
-390		14 14	-3.0	-2.0	-1.7	1.4	6.3	9.3	18.6	21.9	24.1	23.1	18.9	17.3	15.9	14.6	33.1
AA-106-391		14 38	-.9	-2.2	-1.2	.4	5.6	6.0	13.4	19.2	22.6	18.0	13.3	11.0	7.8	6.1	16.6
-392		14 42	-1.2	-2.4	-1.3	.4	5.4	6.0	13.4	18.6	22.1	17.3	10.8	7.6	4.7	2.6	37.6
-393		14 44	-1.2	-2.5	-1.5	.1	5.3	5.9	13.1	17.4	21.0	16.7	11.1	8.3	5.6	3.6	41.7
-394		14 45	-1.1	-2.5	-1.2	.7	5.9	6.2	13.8	19.4	22.6	17.9	11.4	8.2	5.8	3.6	37.2
-395		14 47	-1.2	-2.5	-1.2	.4	5.7	6.1	12.9	18.4	21.9	18.3	12.5	9.9	7.9	6.4	35.4
-396		14 49	-1.1	-2.4	-1.4	.4	5.6	6.0	13.3	18.0	21.7	17.5	11.9	8.9	5.8	3.3	36.7
-397		14 50	-1.2	-2.4	-1.3	.4	5.7	6.4	13.6	18.9	22.5	18.6	12.2	9.3	6.8	4.7	38.5
-398		14 52	-1.2	-2.5	-1.4	.3	5.5	6.1	13.6	18.1	21.4	18.1	12.1	9.1	6.3	3.9	36.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E20

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-360	17 DEC 80	13 42	3.1	-.6	-2.4	-2.3	-2.1	-1.9	.1	-.8						3.3	1.3
-361		13 45	3.1	-.5	-1.8	-1.5	-2.8	-2.7	-1.3	.0	-.6	-3.7				3.2	.9
-362		13 50	3.8	.0	-2.0	-1.0	.6	-1.5	-.2							2.9	2.3
-363		13 54	3.2	.3	-.5	.7	.0	-.3	-.4							2.0	2.9
-364		13 57	2.2	-2.0	-4.0	-2.6	-2.5	-1.7	-.4	-.3	-4.0	-4.2				2.7	.2
-365		14 1	-.5	-3.5	-3.2	-.1	-1.0	-2.0	.0	1.7	-.1					3.0	.9
-366		14 6	2.8	-.3	-.6	.8	.2	-.3	.3							3.5	3.2
AA-105-367	08 JAN 81	10 30	6.5	4.9	3.1	1.2	-1.8	-3.2	-2.4	.3	1.6	.1	3.8	-.4	2.3	6.8	2.5
-368		10 31	7.6	5.7	3.6	1.2	-1.8	-2.4	.9	3.2	1.2	2.2	4.2	1.1	3.6	7.5	3.5
-369		10 34	9.0	6.8	4.1	1.4	-1.3	-1.7	1.7	3.6	3.4	3.8	6.5	3.5	5.4	8.2	4.2
-370		10 35	7.3	5.6	4.0	2.0	-.9	-2.4	-1.2	2.9	2.3	.1	4.2	-.1	2.5	7.5	3.6
-371		10 37	5.6	3.0	1.3	-.5	-2.8	-3.0	-.5	1.0	1.0	-.1	3.8	.1	3.0	6.6	2.0
-372		10 39	8.6	7.6	5.9	4.0	.5	-2.0	-2.3	.8	2.8	-.5	2.6	-.5	1.8	7.8	4.1
-373		10 41	5.0	1.9	-.3	-1.9	-3.2	-1.9	-1.4	-2.1	-.2	-1.2	1.8	-1.5	1.2	5.8	.9
-374		10 43	7.8	5.7	3.5	1.4	-.8	.0	2.8	2.4	2.8	3.3	6.2	2.8	5.3	8.0	4.1
-375		10 45	8.8	6.8	4.7	2.8	.2	-.8	.6	3.7	2.5	1.8	5.2	1.5	3.9	8.1	4.6
-376		10 46	9.0	6.0	3.3	1.2	-.6	-.2	1.3	2.3	3.9	2.7	4.9	1.5	4.1	8.1	4.0
-377		10 48	8.8	6.9	6.1	4.6	1.3	-.8	-1.0	1.5	3.9	1.6	3.4	.0	2.3	8.6	5.0
AA-105-378	09 JAN 81	8 48	8.7	8.1	7.0	5.7	2.9	.6	-1.3	-2.2	-2.2	-2.5	.8	-2.0	2.6	7.3	4.9
-379		8 50	7.5	7.1	5.7	4.1	1.3	-.9	-2.5	-3.3	-2.9	-2.9	.3	-2.5	2.6	6.7	3.7
-380		8 51	6.8	5.3	4.2	3.6	1.4	-.7	-1.8	-2.8	-3.6	-3.7	-1.5	-5.5	-.6	6.3	3.1
-381		8 52	8.4	7.0	5.8	5.0	2.7	.8	-.5	-1.9	-2.7	-2.9	-.9	-5.4	-1.0	7.2	4.4
-382		8 57	5.3	4.1	2.6	1.9	-.5	-2.5	-4.0	-4.6	-4.8	-4.3	-.9	-4.3	.0	5.6	1.8
-383		8 58	5.5	4.4	3.7	3.2	.7	-1.1	-2.6	-3.4	-4.3	-3.8	-1.3	-4.9	.4	5.9	2.6
-384		8 59	6.6	5.0	3.4	2.2	-.4	-2.2	-3.2	-3.6	-4.0	-3.2	.2	-2.7	2.3	6.0	2.5
-385		9 1	3.6	2.2	1.0	.8	-1.5	-3.2	-4.4	-4.4	-4.0	-2.4	.5	-3.2	1.0	4.9	1.1
-386		9 2	.9	-.4	-1.7	-2.9	-5.6	-6.9	-7.4	-6.1	-3.5	-2.3	-1.2		.6	3.9	-1.2
-387		9 3	4.2	2.6	.8	-.2	-2.8	-4.5	-4.9	-3.6	-1.1	.7	1.2	-2.8	2.2	5.1	1.1
-388		14 9	12.5	12.2	11.5	12.3	11.2	9.2	9.2	8.8	5.7	5.3				10.8	11.7
-389		14 12	15.4	15.4	15.1	15.5	13.9	12.2	13.1	13.5						12.0	15.5
-390		14 14	13.4	13.4	12.8	13.5	12.6	10.5	10.8	10.6						11.5	13.6
AA-106-391		14 38	2.6	1.3	.9	-.1	-3.1	-6.5	-6.9	-5.3	-4.5	-4.9	-4.0	-8.5		2.2	-1.8
-392		14 42	-.1	-2.0	-2.5	-2.5	-3.5	-5.0	-5.0	-3.7	-4.1	-4.1	-3.2	-8.3		1.3	-2.4
-393		14 44	.8	-.6	-1.4	-2.2	-4.7	-7.0	-5.5	-3.5	-5.3	-6.5	-4.7	-9.5		1.2	-2.7
-394		14 45	.8	-.8	-.9	-1.4	-3.8	-6.2	-5.5	-4.8	-5.6	-5.4	-4.5	-8.9		1.5	-2.3
-395		14 47	4.6	2.7	1.6	.2	-2.7	-5.6	-5.5	-4.2	-4.3		-4.2	-9.7		2.9	-1.0
-396		14 49	-.2	-1.9	-2.5	-2.8	-5.4	-7.8	-6.3	-4.8	-7.0	-7.3	-6.0	-10.5	-12.1	.2	-3.7
-397		14 50	1.5	-.3	-1.3	-2.4	-5.2	-7.7	-6.1	-3.3	-4.5	-5.1	-3.9	-8.2		1.2	-2.9
-398		14 52	.3	-1.5	-2.2	-2.7	-5.1	-7.2	-6.3	-4.5	-6.6	-6.3	-5.3	-9.5	-10.7	.5	-3.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE D21

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-399	13 JAN 81	8 7	-2.2	-1.6	-1.4	1.4	10.3	12.4	16.2	20.2	22.5	23.6	20.8	20.1	19.7	18.1	35.8
-400		8 11	-2.3	-1.7	-1.1	1.3	10.3	12.5	16.3	20.8	23.0	23.9	21.4	20.1	19.6	18.5	36.7
-401		8 13	-2.3	-1.6	-1.3	1.3	10.0	12.3	16.2	20.3	22.7	24.0	21.3	21.1	20.2	18.9	35.3
-402		8 14	-2.2	-1.6	-1.1	1.6	10.2	12.5	16.4	20.8	23.5	24.4	21.6	21.2	21.1	20.1	35.3
-407		8 35	-2.1	-1.2	-1.0	2.1	10.1	12.4	16.7	20.6	23.5	25.0	22.4	21.5	20.7	19.2	34.0
-408		8 37	-2.3	-1.4	-1.1	1.8	9.5	11.7	16.0	20.0	22.8	24.1	21.9	21.7	22.0	21.1	35.8
-409		8 38	-2.2	-1.5	-1.2	2.0	9.6	11.9	15.8	19.9	22.5	23.7	21.6	20.8	21.0	20.2	35.8
-413		13 7	.0	-.7	-.4	2.1	10.2	12.8	16.9	21.0	23.8	25.3	23.8	22.6	22.4	21.2	37.1
-414		13 11	.0	-.6	-.3	2.4	9.9	13.0	17.6	21.5	24.2	25.7	23.4	21.6	22.0	20.6	35.8
-415		13 14	.0	-.6	-.4	2.3	10.1	13.1	17.0	20.6	23.1	24.5	22.5	20.7	21.2	20.8	35.3
-416		13 16	-.2	-.7	-.5	2.2	9.5	12.8	16.8	20.5	22.7	24.5	23.3	22.6	23.7	22.5	35.3
-417		13 18	-.1	-.7	-.5	2.2	9.6	13.1	17.0	20.9	23.2	24.8	22.8	21.4	21.5	20.9	35.8
AA-106-403		8 23	-1.1	-1.6	-1.1	1.9	9.4	9.6	14.2	18.0	19.6	17.3	11.8	9.0	6.9	5.1	35.4
-405		8 26	-1.4	-1.9	-1.5	1.5	9.2	9.9	14.0	17.4	18.5	15.6	11.0	8.5	6.6	4.7	36.3
-406		8 27	-1.7	-2.1	-1.6	1.4	9.1	9.3	13.2	16.7	18.2	16.4	12.6	10.7	8.4	7.4	35.4
-410		8 45	-1.8	-2.3	-1.6	1.2	9.3	8.7	13.3	16.7	17.8	15.5	10.3	7.3	5.5	4.1	36.3
-411		8 47	-1.5	-2.1	-1.3	1.7	9.3	8.5	14.3	18.4	19.6	15.9	9.9	6.5	3.6	2.2	36.3
-412		8 50	-1.7	-2.1	-1.3	1.6	9.1	8.7	13.8	17.2	18.8	15.1	9.6	5.9	2.8	1.0	38.5
-418		13 31	-1.2	-2.4	-1.6	.4	8.2	9.1	12.8	16.4	18.2	16.9	12.5	9.7	7.8	5.8	34.9
-419		13 35	-1.5	-2.3	-1.7	.3	8.4	8.6	13.3	16.9	18.2	15.1	10.1	6.6	5.0	3.4	35.4
-420		13 37	-1.5	-2.8	-2.1	-.3	7.0	8.9	12.8	16.4	17.4	14.5	9.3	6.2	4.1	2.3	19.7
-421		13 39	-1.8	-2.5	-1.4	.5	8.1	8.3	13.0	17.1	19.1	16.8	12.7	10.3	9.1	8.0	34.5
-422		13 40	-2.1	-2.8	-2.0	.0	7.7	8.1	11.9	15.0	15.9	14.4	10.1	7.6	5.9	4.4	35.4
-423		13 42	-1.6	-2.5	-1.5	.3	8.0	8.8	13.0	17.2	19.4	17.8	13.8	10.2	8.6	7.2	38.5
AA-105-424	15 JAN 81	8 19	.0	-.4	-.5	1.6	7.3	14.8	21.0	24.9	25.8	25.1	19.7	16.4	15.0	12.7	34.4
-425		8 21	.6	-.2	-.4	1.5	6.8	13.8	21.9	25.0	26.0	24.0	20.2	17.8	16.7	13.7	35.8
-426		8 22	.9	-.2	-.1	2.1	8.1	15.1	21.9	25.8	25.9	25.9	21.3	17.8	16.0	11.8	35.3
-427		8 23	1.1	.3	.7	3.0	8.4	16.1	23.3	28.5	27.8	25.5	21.1	17.1	15.4	12.0	34.9
-428		8 25	.9	.3	.1	1.7	7.4	14.9	21.6	25.2	24.7	22.4	17.1	12.7	10.5	6.4	34.0
AA-106-429		8 33	-1.4	-2.0	-1.4	-.1	6.5	10.9	17.5	18.9	20.0	15.8	13.7	11.1	9.6	9.3	35.4
-430		8 34	-1.6	-2.2	-1.1	-.1	6.6	11.2	17.4	18.8	19.7	15.8	13.5	11.2	10.0	9.4	34.5
-431		8 36	-1.4	-2.3	-1.5	.1	6.5	11.1	17.3	18.7	19.7	15.3	13.0	11.0	10.0	9.2	34.5
-432		8 37	-1.4	-2.2	-1.4	.1	6.8	10.9	17.6	19.1	20.3	15.9	13.5	11.0	9.4	9.0	34.5
-433		8 39	-1.3	-2.2	-1.3	.0	6.7	10.9	17.4	18.6	19.9	15.6	13.1	10.8	9.6	8.8	35.8
AA-105-434	03 FEB 81	9 16	1.9	1.7	2.0	2.1	5.2	3.9	6.5	9.1	13.8	20.4	23.7	24.7	23.9	23.2	40.2
-435		9 26	1.7	1.4	1.5	1.5	4.6	3.3	5.6	8.0	12.9	20.2	24.1	22.8	21.8	20.5	36.2
-436		9 28	2.1	1.8	2.1	2.1	5.2	3.9	6.2	8.4	13.1	20.1	23.8	23.8	22.7	21.1	34.4
-437		9 29	1.2	.6	1.0	1.1	4.5	3.0	6.0	8.4	13.1	19.2	21.6	22.0	21.8	19.3	34.9
AA-106-438		9 38	-2.2	-4.3	-3.7	-4.0	-1.0	-3.8	-1.9	3.8	17.4	23.4	14.4	2.6	-.9	-3.9	34.5
-439		9 43	-2.2	-4.1	-4.2	-4.3	-1.1	-3.3	-1.4	2.7	13.8	24.5	15.1	4.0	.8	-2.2	23.3
-440		9 48	-3.3	-4.3	-3.9	-3.5	-.3	-2.8	-2.2	2.9	15.2	22.6	16.1	5.4	3.0	.2	34.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-399	13 JAN 81	8 7	17.5	17.7	17.2	17.3	15.7	13.4	13.6	13.7	12.4					14.2	17.0
-400		8 11	17.7	17.8	18.0	18.1	16.1	13.4	13.2	13.2	12.8	13.3	14.7			14.3	16.9
-401		8 13	19.0	19.6	19.0	18.6	16.1	13.8	14.3	14.6	14.2	14.7				14.5	17.9
-402		8 14	19.4	19.2	18.4	19.0	16.8	14.6	15.1	15.0	14.4	14.8				14.5	18.3
-407		8 35	18.8	19.6	19.2	19.8	17.7	15.2	15.4	15.5	15.0	15.5				14.3	18.6
-408		8 37	20.6	21.7	21.6	21.8	19.3	16.6	16.9	16.6	16.5	15.6				14.2	20.1
-409		8 38	20.3	20.8	19.8	20.1	17.9	15.7	15.9	16.0	15.4	15.3				14.0	19.0
-413		13 7	20.9	21.7	20.9	21.2	20.2	18.2	17.9	17.4	19.2	15.6				15.2	20.5
-414		13 11	21.4	22.9	22.7	21.7	20.4	18.8	18.6	17.2	17.8	15.2				15.3	20.9
-415		13 14	21.1	21.9	22.6	23.0	21.6	20.0	20.0	19.2	19.9					15.0	21.5
-416		13 16	22.0	22.3	22.4	22.4	21.7	20.2	20.0	19.1	20.2					15.1	21.9
-417		13 18	21.7	22.3	21.7	21.5	20.5	18.9	18.8	18.1	18.9	16.0				14.9	20.8
AA-106-403		8 23	3.5	1.1	.3	1.9	1.6	.4	-.1	1.2	-1.1					6.0	2.1
-405		8 26	3.7	2.2	1.3	1.2	.3	-.5	-2.1	-.2	-2.2	-1.8				5.5	1.3
-406		8 27	6.1	4.7	5.3	5.4	2.7	1.1	1.7	2.0						7.2	4.6
-410		8 45	2.6	.6	.7	.9	-.3	-1.0	-.6	-1.7	-2.2					5.3	1.0
-411		8 47	1.3	.1	.4	1.6	.5	-.6	-1.1	-1.8	-3.6	-3.7				4.8	.6
-412		8 50	-.7	-2.2	-1.3	.6	.1	-1.4	-1.9	-2.4	-2.6	-3.4				4.2	-.3
-418		13 31	3.6	1.3	-.1	-.9	-2.8	-1.9	-.7	-2.1	-1.1	-2.6				4.2	.2
-419		13 35	1.1	-1.2	-1.6	-.4	-.2	-.8	-2.6	-1.8	-2.2	-4.0				3.9	-.1
-420		13 37	.4	-1.7	-2.2	-1.4	-1.0	-.6	-2.1	-1.5	-.2					3.4	-.3
-421		13 39	6.3	3.9	3.3	3.6	2.3	1.1	-.1	.8	-1.4					6.6	3.5
-422		13 40	2.3	-.5	-.9	.2	-.3	-.3	-.5	-.8						4.8	1.2
-423		13 42	5.3	2.3	.7	.2	-1.9	-2.9	-.9	-1.3	-2.5					5.2	.9
AA-105-424	15 JAN 81	8 19	11.7	11.0	10.0	10.6	9.3	5.9	4.7	4.0	3.4	1.2	.1			11.5	9.3
-425		8 21	9.7	7.1	5.8	6.0	4.7	2.5	2.4	1.8	1.4	.1	-1.7			10.2	6.4
-426		8 22	8.5	6.8	4.7	3.7	.9	-2.4	-2.1	-1.1	-1.7	-2.9	-4.1	-11.4		8.0	2.9
-427		8 23	9.5	8.1	7.3	7.3	5.3	1.6	-.2	-.8	-1.4	-2.7	-2.6			10.4	5.8
-428		8 25	3.4	1.1	.2	.9	.1	-1.3	-2.2	-3.3	-4.1	-6.9	-10.7	-21.6		4.1	-1.1
AA-106-429		8 33	7.0	4.9	3.7	1.7	-1.0	-4.0	-5.6	-4.9	-4.2	-4.4	-4.6	-10.2		2.9	-.2
-430		8 34	6.8	5.6	4.4	2.1	-.6	-3.7	-5.3	-5.3	-4.6	-4.1	-4.8	-10.1		3.2	.0
-431		8 36	6.6	4.4	3.5	1.9	-1.1	-4.2	-5.9	-5.7	-5.2	-4.8	-5.9	-11.1		2.6	-.5
-432		8 37	6.0	3.8	2.5	.4	-2.3	-5.2	-6.3	-5.5	-4.2	-5.6	-6.0	-11.0		2.1	-1.1
-433		8 39	6.5	4.9	3.6	1.7	-1.0	-4.1	-6.1	-5.8	-5.2	-4.2	-5.1	-10.1		2.8	-.4
AA-105-434	03 FEB 81	9 16	22.0	22.3	21.5	22.0	21.4	20.6	21.4	21.3	21.3	19.1	19.9			11.7	20.2
-435		9 26	19.7	19.8	19.7	20.0	19.1	18.2	19.2	18.7	19.0	18.0	18.8			10.6	18.4
-436		9 28	20.3	20.6	20.4	20.5	19.8	19.1	20.1	19.9	19.3	18.3	19.4			11.2	19.1
-437		9 29	19.1	19.6	19.6	20.0	18.8	17.7	18.6	18.0	16.7	15.3				10.0	17.9
AA-106-438		9 38	-5.8	-4.7	-1.1	-.5	-2.4	-.9	-1.3	-.6	.5	-2.1	-1.5			.6	-1.8
-439		9 43	-5.1	-6.4	-2.7	-.3	-2.6	-.2	.1	.7	-.6					.7	-1.8
-440		9 48	-3.0	-5.3	-3.5	-.5	-1.6	-1.9	-.7	-.1		-2.3				1.2	-1.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE D22

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-441	04 FEB 81	8 22	.3	.0	.1	.3	2.6	2.0	4.8	8.8	15.6	23.9	27.1	23.6	21.7	20.3	37.6
-442		8 23	.0	-.4	-.5	-.4	2.1	1.3	4.1	8.3	15.1	23.3	26.1	23.6	21.9	20.5	36.7
-443		8 27	-.2	-.6	-.7	-.1	2.1	1.3	4.5	8.0	13.8	21.9	24.7	20.5	19.5	17.7	32.6
-444		8 28	.3	.0	-.1	.3	2.8	2.0	4.7	8.7	15.4	23.6	26.3	23.2	21.0	20.4	37.5
-445		8 30	.5	.0	-.1	.2	2.3	1.7	4.4	8.0	14.2	22.2	25.5	21.6	19.9	17.3	37.6
AA-106-446		8 38	-6.7	-7.1	-5.8	-5.1	-2.5	-4.1	-3.0	2.2	12.5	16.3	10.2	5.3	3.5	-.4	38.0
-447		8 40	-2.3	-4.2	-3.7	-3.4	-1.9	-2.9	-2.3	2.7	13.5	23.8	17.6	7.8	5.1	1.2	35.4
-448		8 41	-1.9	-4.0	-3.4	-3.3	-1.8	-3.0	-2.6	2.1	12.6	23.5		9.3	7.2	2.9	26.9
-449		8 43	-8.4	-6.7	-4.7	-4.6	-2.8	-3.5	-2.5	1.9	12.4	20.1	13.4	5.0	3.1	.1	28.2
AA-105-450	12 FEB 81	13 10	-.3	-.6	-.9	-.2	1.9	.4	3.2	7.4	14.6	20.7	23.3	22.7	21.4	19.6	35.3
-451		13 12	-.5	-.9	-1.0	-.3	1.8	.4	3.1	6.3	13.5	20.2	22.8	21.1	19.7	17.6	37.6
-452		13 29	-.2	-.4	-.6	.0	2.6	1.0	3.7	7.6	15.3	21.5	24.2	24.3	23.4	22.8	27.7
-453		13 32	-.2	-.5	-.8	-.2	2.2	.4	3.5	7.0	14.3	20.8	23.2	24.3	23.3	20.7	34.4
-454		13 48	-.1	-.4	-.5	.2	2.5	1.1	3.6	6.8	13.9	20.9	23.5	24.1	24.6	22.4	38.5
AA-106-455		13 56	-2.7	-3.9	-3.8	-3.8	-.5	-2.4	-.5	2.5	8.7	17.2	15.2	5.8	3.6	1.4	34.5
AA-105-469	25 FEB 81	12 59	1.1	.4	-.3	.7	1.6	.2	1.6	2.7	4.9	8.9	10.6	12.8	17.1	17.7	34.4
-470		13 1	-.2	-.4	-1.1	-.4	.5	-.8	1.0	1.8	4.2	8.4	11.1	14.4	17.4	15.5	34.0
-471		13 2	.3	-.2	-1.1	-.4	.5	-1.1	.7	2.4	5.4	10.1	13.5	17.8	21.5	19.2	33.5
-472		13 4	-.2	-.6	-1.4	-.6	.4	-.9	.7	2.1	4.4	8.3	11.0	14.5	18.2	16.6	35.3
-473		13 5	.6	.2	-.4	.3	.9	-.6	1.2	2.7	5.4	9.7	11.3	14.6	19.9	19.4	35.3
AA-106-464		8 33	-2.4	-.5	-.2	.8	2.4	-.5	.3	2.5	5.7	10.7	13.3	16.5	20.4	19.0	30.4
-465		8 34	1.9	1.3	1.0	1.4	2.8	-.5	.2	2.5	5.7	10.7	13.6	16.8	19.7	17.1	33.6
-466		8 36	1.7	-.1	.6	.7	2.1	-.8	-.8	1.5	5.3	10.4	13.9	17.8	18.7	14.0	14.8
-467		8 37	2.1	1.4	1.3	1.4	2.9	-.5	.1	2.4	5.7	10.8	13.7	17.0	19.8	17.6	34.5
-468		8 39	1.7	1.2	.9	1.3	2.7	-.9	.0	2.2	5.4	10.5	13.6	16.8	19.5	17.1	33.6
-474		13 16	1.3	.7	.1	.2	.9	-2.1	-2.0	-.1	2.6	6.5	7.9	8.1	11.0	12.3	34.9
-475		13 18	1.2	.8	.4	.8	1.8	-1.0	-.5	1.4	4.3	8.3	9.4	10.0	12.9	15.4	33.6
-476		13 19	1.3	.8	.7	1.2	2.2	-.2	.1	2.0	5.1	9.0	9.9	9.5	12.0	15.7	34.0
-477		13 26	.9	.6	.1	.5	1.4	-1.3	-1.0	.6	3.4	7.7	9.0	9.3	12.4	15.1	33.1
-478		13 29	1.3	.9	.4	1.1	1.9	-.8	-.3	1.5	4.3	8.3	9.4	9.0	11.5	13.8	35.3
AA-105-479	27 FEB 81	7 15	-.3	-1.4	-1.9	-2.0	-.9	-4.0	-2.0	.9	6.4	18.1	26.8	19.7	13.6	6.0	34.4
-480		7 17	-.5	-1.5	-2.3	-2.3	-1.3	-4.4	-2.5	.8	6.7	19.3	25.2	18.4	12.7	5.0	36.2
-481		7 18	-.1	-1.5	-2.0	-2.4	-1.3	-4.4	-2.3	.9	7.2	19.9	25.2	19.0	12.4	5.1	34.8
-482		7 20	-.4	-1.4	-2.1	-2.2	-1.1	-4.2	-2.2	1.0	7.4	20.0	26.4	19.9	12.9	5.4	34.8
-483		7 21	-.7	-1.3	-2.2	-2.1	-1.2	-4.1	-1.9	1.2	7.5	19.6	27.3	21.1	14.0	5.8	33.5
-489		7 43	-.3	-1.3	-2.2	-2.2	-1.2	-4.1	-2.1	.5	5.9	17.3	24.6	16.1	10.3	4.1	34.0
-490		7 45	-.5	-1.4	-2.1	-2.0	-1.1	-4.1	-2.0	.5	5.7	17.1	24.9	16.2	10.2	4.5	34.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E22

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-441	04 FEB 81	8 22	20.5	20.5	19.8	20.0	18.9	17.6	17.5							9.6	19.0
-442		8 23	20.9	20.6	19.8	19.7	18.8	18.0	19.1							9.1	19.0
-443		8 27	17.2	17.4	16.9	16.9	15.8	14.2	14.9	13.4		13.1	14.7			9.4	16.5
-444		8 28	19.2	19.1	18.2	18.4	17.0	15.9	16.1	15.5		15.2				10.1	18.1
-445		8 30	15.7	16.2	14.8	14.8	13.8	12.4	12.5	11.1		9.8	11.3			9.6	15.1
AA-106-446		8 38	-3.2	-5.0	-4.5	-.9	-1.7	-2.0	-.4	-.2	.1	-.3	.4	-4.1	-3.1	.4	-1.8
-447		8 40	-1.3	-3.5	-4.2	-1.3	-.3	-.9	1.0	1.0	1.2	1.1	2.0	-2.8	-1.7	1.3	-.7
-448		8 41	-.5	-3.7	-4.5	-2.4	.8	-.6	-.5	1.2	.1					1.2	-.6
-449		8 43	-2.3	-4.5	-3.5	-.3	-1.7	-1.3	1.3	1.6						.8	-1.0
AA-105-450	12 FEB 81	13 10	20.6	19.7	18.8	19.6	17.3	16.7	18.1	16.8		14.8				8.7	17.8
-451		13 12	17.1	16.2	14.8	15.7	14.2	13.5	12.3	11.0						8.3	15.3
-452		13 29	21.8	19.7	20.6	21.8	20.1	19.4								9.2	19.5
-453		13 32	19.4	18.2	16.8	17.5	16.3	15.7	14.9	14.7		13.8				8.7	17.0
-454		13 48	20.8	21.2	20.0	19.8	18.0	17.0								9.0	18.8
AA-106-455		13 56	.9	-1.4	-1.7	.0	.3	-1.6	-2.2	-1.0		-.9	.9	-4.2		1.4	.5
AA-105-469	25 FEB 81	12 59	15.6	13.2	12.0	10.9	9.3	7.6	8.3	8.9						6.2	11.4
-470		13 1	12.8	10.2	8.8	7.2	5.1	3.1	3.7	3.8	2.7	1.3				5.0	8.0
-471		13 2	15.4	14.0	13.0	11.5	9.1	7.4	8.1	8.4						6.0	12.0
-472		13 4	13.2	10.9	9.2	7.9	6.0	4.4	5.0	5.2						5.1	9.3
-473		13 5	17.2	15.0	13.6	12.2	9.7	8.0	8.5	8.3						6.2	12.2
AA-106-464		8 33	15.1	11.2	10.5	12.2	10.1	7.0	4.3	2.3						5.0	9.3
-465		8 34	13.3	9.1	8.2	9.6	8.2	5.7	4.6	4.0		-.8				4.9	8.4
-466		8 36	9.8	4.3	3.1	3.7	1.5	-1.1	-2.3	-3.2	-5.4	-6.2				3.8	3.1
-467		8 37	14.5	10.9	10.2	11.4	9.2	6.3	4.9	4.6	1.5	2.2				5.0	8.8
-468		8 39	13.3	9.5	8.2	8.5	6.4	3.6	2.4	1.9	.2	-.8	-2.6			4.8	6.8
-474		13 16	10.4	7.2	5.9	7.5	7.2	6.3	7.3	8.0						2.4	6.8
-475		13 18	15.8	12.6	11.7	13.1	13.0	12.0	12.3	12.4						4.0	9.5
-476		13 19	17.6	16.3	15.8	16.7	15.8	14.5	15.2	15.3						4.7	10.6
-477		13 26	15.5	14.7	13.5	13.6	12.7	11.3		12.8						3.3	9.1
-478		13 29	13.4	11.2	10.4	12.1	11.9	10.9		10.8						4.1	9.2
AA-105-479	27 FEB 81	7 15	1.0	-2.7	-2.5	-1.4	.2	-3.0	-3.2	-2.3	-3.2	-4.6	-4.1	-11.6	-16.3	2.9	.3
-480		7 17	.5	-2.0	-1.4	-.4	-1.1	-3.4	-2.6	-2.7	-2.0	-3.4	-2.7	-9.8		3.1	1.0
-481		7 18	.7	-1.0	-1.7	.9	-1.6	-2.5	-1.7	-1.0	-1.5	-2.8	-2.9	-9.7		3.5	1.6
-482		7 20	.9	-1.1	-.7	.2	-1.4	-.6	-2.0	-1.2	-1.0	-2.7	-2.2	-9.2		3.6	1.9
-483		7 21	1.3	-.9	-.5	1.3	-1.0	-.6	-1.8	-.7	-1.1	-2.7	-1.6	-8.7		3.9	2.2
-489		7 43	.0	-3.7	-4.3	-2.6	-3.6	-3.5	-3.2	-5.0	-4.9	-6.5	-6.5	-14.3		2.1	-.8
-490		7 45	.2	-3.9	-5.1	-2.8	-3.3	-4.4	-3.3	-5.3	-4.5	-7.0	-6.7	-15.0		2.2	-.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 230 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 230 M

DATE 02 FEB 87
PAGE D23

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	2.4	1.4	1.4	1.5	3.4	-.4	.8	2.8	6.2	12.6	18.7	22.8	19.6	14.2	33.6
-486		7 31	2.0	1.2	1.0	1.4	3.1	-1.0	-.2	1.4	5.8	14.1	20.6	19.9	16.3	10.7	25.9
-487		7 32	2.2	1.1	1.0	1.2	3.0	-.4	.7	2.2	5.7	12.5	18.0	19.3	14.8	10.7	35.3
-488		7 34	3.0	2.2	2.4	2.3	4.2	.6	1.7	3.1	6.5	13.5	19.4	23.0	20.5	14.9	34.4
-491		7 51	3.4	2.4	2.7	2.7	4.7	.9	1.9	3.8	6.5	11.0	14.7	18.0	20.3	19.4	35.8
-492		7 53	3.4	2.0	2.5	2.3	4.2	.7	1.8	3.6	6.5	11.0	14.5	18.2	20.2	19.2	36.2
ESA STATISTICS:																	
MINIMUM			-8.4	-7.1	-5.8	-5.1	-3.2	-4.4	-3.5	-2.5	-2.0	-2.1	-1.2	-.3	-.9	-3.9	14.8
MAXIMUM			7.5	8.9	7.9	9.0	10.3	16.1	23.3	28.5	27.8	30.3	31.9	29.2	34.9	35.5	49.2
AVERAGE			.8	.6	.1	1.0	2.9	2.6	5.0	7.5	11.4	17.1	20.6	17.8	16.3	13.8	32.7
STANDARD DEVIATION			2.3	2.3	2.0	2.0	3.0	4.2	5.9	6.4	6.0	5.9	6.4	6.1	7.0	7.6	3.9
NUMBER OF DATA POINTS			393	399	399	398	399	399	399	399	399	399	398	399	399	399	399

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 238 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 238 M

DATE 02 FEB 87
PAGE E23

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-485	27 FEB 81	7 29	10.5	6.1	3.7	2.5	.2	-.9	1.7	3.0	-2.4	-.6	-.5			5.3	4.5
-486		7 31	6.2	1.2	-1.0	-.9	-.9	-.4	-.9	-1.2						4.3	3.0
-487		7 32	8.0	4.8	3.0	2.2	.4	.2	2.5	3.0		.0				5.0	4.5
-488		7 34	12.0	8.0	6.0	5.3	3.1	1.6	2.7	6.2		1.8	1.5			6.3	7.2
-491		7 51	17.2	15.0	14.8	15.0	13.4	11.8	12.3	11.4						6.4	12.5
-492		7 53	16.5	14.3	13.7	14.4	13.0	11.2	10.8	11.3						6.2	12.1
ESA STATISTICS:																	
MINIMUM			-7.0	-7.0	-7.0	-6.1	-5.8	-7.8	-7.4	-6.1	-7.0	-7.3	-10.7	-21.6	-16.3	-.7	-4.0
MAXIMUM			34.1	32.3	31.1	30.4	30.3	27.6	28.2	28.9	25.4	27.1	19.9	11.5	9.0	16.4	25.4
AVERAGE			11.5	9.2	7.4	7.1	6.7	5.3	5.2	6.0	4.8	4.0	3.6	-1.6	-1.3	6.5	7.8
STANDARD DEVIATION			8.2	8.8	8.9	8.7	8.4	7.9	7.5	7.0	6.7	6.5	5.3	5.4	4.4	3.2	6.8
NUMBER OF DATA POINTS			399	399	399	399	399	396	367	359	279	282	212	160	80	399	399

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE D24

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-102-097	08 MAY 80	14 52	.7	-.6	-1.8	-1.1	-1.0	-.2	4.9	13.4	21.7	34.8	26.5	14.3	12.0	4.4	25.9
AA-102-100	09 MAY 80	14 34	1.0	-1.5	-1.5	-1.9	.0	.7	7.1	18.9	24.1	31.4	24.2	10.9	5.6	1.7	29.1
AA-104-102	09 SEP 80	7 17	2.1	.8	.2	.9	2.5	4.4	10.3	19.0	26.1		23.3	11.3	4.6	.8	31.7
-104		7 30	2.7	2.3	.7	1.7	2.5	3.8	8.6	17.9	25.0		30.4	17.5	13.4	9.6	34.0
-106		7 40	2.5	2.1	.6	1.5	3.2	4.0	9.0	19.4	26.2		29.7	18.7	15.1	12.0	37.2
-108		7 50	2.8	2.4	.7	1.8	2.6	3.8	8.0	17.6	25.1		31.2	21.3	17.5	13.9	30.9
-110		8 1	2.4	2.0	.8	1.8	3.0	3.7	8.3	17.4	26.8		30.7	19.5	15.8	11.7	38.5
-113		13 4	2.3	1.8	.4	1.2	2.0	2.7	8.3	17.1	22.7		28.8	11.3	6.2	3.4	25.5
-115		13 16	2.5	2.1	.6	1.7	2.9	2.6	7.2	15.7	25.0		31.8	15.6	12.7	9.4	35.4
-117		13 29	.0	.3	-1.3	.1	.5	1.6	5.6	14.8	22.1	28.2	27.3	13.5	9.2	7.5	30.9
-119		13 47	1.3	1.3	-.5	.8	.8	1.9	5.2	13.1	19.8	30.4	29.6	14.5	7.2	5.3	32.2
-121		14 3	.0	-.2	-1.9	-.6	.3	1.8	7.6	16.8	21.6	30.6	25.8	11.9	9.7	7.2	31.3
-123		14 13	1.2	.9	-.8	.5	1.2	1.5	5.8	14.3	24.2	31.0	32.1	16.6	14.2	11.9	31.8
-124		15 18	.3	.2	-1.0	.0	1.5	1.7	6.6	16.9	24.6		28.0	18.5	10.8	6.8	30.4
AA-104-126	10 SEP 80	7 4	3.7	4.6	3.1	3.9	4.2	3.3	3.5	5.9	13.1	28.0	34.1	29.6	26.3	21.3	38.4
-128		7 16	5.0	4.2	2.7	3.2	4.7	3.1	3.7	7.0	14.9	30.2	34.3	30.3	25.7	23.1	31.3
-130		7 28	4.8	4.3	2.5	3.4	4.2	3.0	3.5	6.3	13.9	29.4	33.4	28.9	25.5	22.3	31.3
-132		7 39	4.1	4.0	2.7	3.4	4.6	3.2	3.6	6.6	14.3	29.8	32.2		23.1	19.6	31.4
-134		7 50	3.9	4.1	2.6	3.4	4.2	3.1	3.7	6.5	14.1	29.2	31.6		25.1	21.4	30.5
-136		13 4	4.4	5.6	4.7	6.6	8.5	8.2	9.7	12.1	17.4	22.2	28.5		27.1	24.8	21.9
-138		13 14	2.9	3.9	2.7	4.1	4.2	4.2	4.9	6.9	11.9	20.6	25.8	22.9	23.7	21.0	30.4
-140		13 24	4.7	4.8	3.6	5.0	6.1	6.0	7.6	10.3	14.9	21.5	27.0	24.8	24.3	22.7	30.5
-142		13 36	2.9	2.3	1.3	2.5	4.3	2.8	4.0	6.9	12.4	21.0	26.2		23.9	20.9	22.4
-144		13 49	3.8	3.7	2.1	3.4	4.8	3.8	5.6	8.0	13.2	20.8	26.5	21.8	24.6	22.9	29.1
AA-104-157	16 SEP 80	13 42	2.8	1.6	-.3	.3	1.3	1.2	6.3	14.7	22.2	35.5	28.3	12.1	8.8	4.8	31.3
-161		14 8	2.0	1.0	-1.2	-1.0	.3	1.4	6.6	14.1	21.9	33.9	26.4	9.0	5.2	2.7	24.1
-162		14 11	1.0	.4	-1.6	-1.3	.1	2.0	7.1	14.5	22.9	33.1	25.7	9.3	3.4	-.5	29.1
-163		14 13	.9	.4	-1.6	-.8	.1	2.0	7.4	14.3	21.2	32.7	26.1	8.5	2.2	-.5	35.3
AA-108-146		7 28	1.5	1.4	1.2	-.1	.3	1.5	7.5	16.1	18.9	27.6	14.1	6.3	5.3	3.8	29.5
-148		7 40	1.8	.9	.7	-.2	1.1	.9	6.2	15.0	20.1	28.7	17.0	8.4	6.9	6.2	31.9
-150		7 53	2.3	1.3	.8	.3	1.2	1.4	6.3	14.0	19.4	27.1	18.4	11.2	10.1	10.2	32.2
-152		8 6	1.4	1.1	.6	.1	.3	1.3	4.6	11.9	18.0	23.2	18.3	11.7	8.9	7.1	30.4
-154		8 21	1.9	1.4	.9	.1	.5	1.0	5.1	11.9	20.9	23.0	19.4	13.5	11.0	10.3	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-80B-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE E24

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-102-097	08 MAY 80	14 52	-.3	-3.0	-3.3	.6	2.1	1.0	1.6							4.9	1.2
AA-102-100	09 MAY 80	14 34	-.9	-3.5	-4.5	.1	1.6	-.5	1.6	1.5	-.6					4.7	-.4
AA-104-102	09 SEP 80	7 17	-2.4	-3.6	-1.1	1.6	2.0	-1.8	2.2	3.6	.6					5.8	.8
-104		7 30	6.0	1.9	.8	4.4	-1.1	1.6	3.1	5.8	1.6					8.7	4.1
-106		7 40	10.1	6.4	3.0	1.7	4.0	4.2	1.2	2.4						9.4	5.4
-108		7 50	9.5	4.6	.6	-1.4	-2.7	-.1	.0	-.2	-.1	-4.0				7.8	1.9
-110		8 1	6.3	.5	-3.1	-1.9	-1.4	1.3	3.9	4.3						7.9	2.1
-113		13 4	-1.1	-3.6	-2.2	.2	.8	-2.9	-.6	.0						7.4	1.5
-115		13 16	4.2	-.4	-2.5	.5	1.9	2.0	1.7	1.5						8.8	3.6
-117		13 29	4.5	1.3	-1.9	-1.5	-2.9	-5.6	-3.6	-1.8	-2.5					6.8	.8
-119		13 47	1.3	-2.3	-3.7	-.8	-.2	-1.8	-2.2	-1.2						6.7	1.4
-121		14 3	1.9	-1.8	-1.2	4.2	.6	.3	-.7	-.9						7.7	2.9
-123		14 13	7.8	3.5	-.1	-.3	1.6	.3	-1.3							8.4	4.4
-124		15 18	1.4	-2.9	-6.8	-6.3	-3.5	-2.6	-5.1	-3.9						6.0	-1.6
AA-104-126	10 SEP 80	7 4	18.0	16.8	15.2	16.5	15.5	12.0								9.4	16.4
-128		7 16	20.8	16.8	13.6	14.0	12.0	8.6								9.9	15.1
-130		7 28	19.4	18.4	16.5	17.1	15.6	12.8								9.4	16.8
-132		7 39	16.2	13.6	11.2	11.9	11.4	8.0								9.5	14.1
-134		7 50	18.7	16.1	13.4	14.4	13.5	10.6								9.6	15.9
-136		13 4	22.6	19.7	16.9	17.3	17.8									14.4	20.5
-138		13 14	17.8	15.2	12.3	13.2	12.8	9.7								9.6	14.5
-140		13 24	20.6	18.5	15.8	15.9	15.1	12.4								12.1	17.3
-142		13 36	19.2	16.3	14.0	15.3	15.2	12.4								9.2	15.4
-144		13 49	21.4	19.7	17.3	17.3	16.8	14.1								10.3	17.0
AA-104-157	16 SEP 80	13 42	.4	-.7	.4	4.2	5.9	3.4	6.2							8.0	4.8
-161		14 8	.6	.9	2.1	5.1	4.4	2.9	3.3							7.8	5.1
-162		14 11	-2.3	-1.0	-.3	3.4	3.3	1.5	3.1	3.6						7.1	3.0
-163		14 13	-2.3	-1.6	-.5	3.3	2.8	.6	1.8	.7						7.0	2.4
AA-108-146		7 28	2.8	.1	-1.4	2.4	7.0	6.7	4.0	2.3						5.5	2.8
-148		7 40	4.1	.6	-3.7	-3.0	4.9	4.2	2.5	3.1	1.6	-.3				5.5	1.3
-150		7 53	7.1	3.3	.1	-.4	1.6	8.9	5.6	4.0	2.7	.5				5.8	3.0
-152		8 6	4.3	1.9	-.9	-1.6	-2.3	-3.3	-4.6	-4.8	-6.2	-6.9				3.0	-2.2
-154		8 21	9.7	9.1	7.8	7.9	6.9	5.2	3.1	3.9		-1.8				6.0	6.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE D25

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-167	17 SEP 80	7 27	1.7	1.0	-1.1	-1.0	-.8	-1.4	1.4	6.2	11.4	22.5	27.6	14.2	8.6	1.1	35.8
-168		7 30	1.6	.4	-1.8	-2.0	-1.9	-3.5	.0	4.4	10.4	21.7	28.2	14.5	8.9	.0	32.6
-169		7 33	1.5	.2	-1.9	-2.0	-1.9	-3.1	1.0	5.3	10.9	21.9	27.3	13.1	6.4	-.4	30.4
-172		8 4	.0	-3.0	-4.0	-4.6	-4.1	-4.6	-.7	5.5	12.2	23.2	23.5	10.7	.3	-3.2	33.5
-173		8 23	1.5	-1.2	-2.5	-3.3	-3.6	-4.0	-.4	4.6	13.7	26.0	24.4	9.8	-1.0	-3.3	39.3
-174		8 27	1.2	-1.7	-2.9	-4.0	-4.6	-4.6	-1.1	5.0	13.4	25.9	21.1	6.0	-4.3	-5.3	32.6
-180		13 51	4.7	3.8	3.0	3.6	4.8	3.1	3.9	6.5	12.1	22.0	28.2	26.2	23.8	18.8	30.8
-181		14 2	4.1	3.9	2.9	3.8	4.7	3.5	4.4	6.8	12.6	24.0	30.2	25.5	22.6	18.5	30.8
-182		14 4	3.4	3.0	1.6	2.4	3.0	1.8	2.6	5.6	12.5	25.8	28.0	24.8	22.4	18.7	31.3
-183		14 6	3.5	3.2	2.1	2.7	3.7	2.3	3.0	6.1	12.9	26.0	28.9	22.9	21.7	16.4	30.4
-185		14 8	4.3	4.2	3.1	4.1	4.7	3.5	4.2	7.0	13.5	26.0	31.5	29.1	27.5	23.0	30.4
-186		14 13	3.7	3.4	2.1	3.0	3.0	1.9	2.3	5.3	11.8	24.7	27.6	24.3	21.6	17.0	31.3
-187		14 14	3.4	2.8	1.5	2.6	3.3	2.2	3.4	6.7	12.9	25.5	29.0	26.0	23.2	19.1	34.4
AA-104-190	19 SEP 80	7 12	6.9	5.6	4.8	5.3	6.1	4.8	6.3	11.0	21.6	33.9	41.7	35.8	33.0	30.2	29.5
-191		7 14	7.1	5.7	4.7	5.2	6.0	4.5	6.0	10.9	21.6	33.4	41.4	33.6	29.6	25.4	31.3
-195		7 33	5.0	4.4	3.5	3.4	4.3	3.6	5.1	11.8	22.0	33.6	39.5	29.8	21.3	14.3	29.6
-196		7 39	5.9	4.5	3.6	3.4	4.3	3.6	5.4	12.6	23.4	32.8	37.4	29.4	20.4	13.7	29.5
-197		7 42	5.3	4.4	3.8	3.6	4.3	3.6	5.0	11.5	22.6	31.6	39.0	29.6	23.1	17.0	29.6
-198		7 44	5.3	4.2	3.6	3.5	4.2	3.6	5.0	11.6	22.9	32.0	36.7	29.6	25.2	19.0	30.4
-199		7 46	5.6	4.1	3.2	3.1	3.9	3.2	5.0	11.9	23.8	32.1	35.2	26.4	20.5	14.6	29.6
-211		13 16	5.0	4.6	3.8	4.2	5.5	4.5	6.4	10.1	16.9	24.9	29.5	28.4	25.2	22.1	30.5
-212		13 21	5.8	4.6	4.0	4.7	6.2	5.3	7.5	11.5	18.1	25.8	31.1	29.0	28.7	24.7	26.0
-213		13 35	6.0	4.9	4.1	4.9	6.1	4.7	6.4	9.5	15.6	24.5	29.9	28.9	28.2	25.4	31.4
AA-104-217	23 SEP 80	7 21	3.6	3.1	1.6	2.7	2.6	2.6	4.1	8.4	19.0	31.3	34.4	25.4	22.6	19.2	30.5
-218		7 23	3.2	2.9	1.5	2.8	2.9	2.8	4.2	8.4	18.9	31.7	35.5	26.6	24.1	20.8	28.2
-219		7 24	3.5	3.4	1.7	3.0	2.8	2.9	4.3	8.4	18.8	31.9	35.0	26.0	22.7	18.9	30.5
-222		7 41	3.8	3.1	1.5	2.3	3.2	2.4	4.7	10.4	22.4	30.7	33.8	26.2	22.2	18.4	29.1
-223		7 43	3.3	3.3	1.6	2.4	3.0	2.4	4.6	9.9	21.6	31.0	32.4	26.2	20.5	17.9	30.5
-224		7 46	3.2	3.5	2.0	2.6	3.4	2.8	5.0	10.3	22.1	32.5	34.5	27.0	22.8	19.9	30.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE E25

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-167	17 SEP 80	7 27	-1.5	-1.6	-1.8	3.5	2.7	2.2	4.9	5.4						6.1	4.6
-168		7 30	-.9	.3	1.8	3.4	2.1	4.8	5.8	6.8						5.2	5.5
-169		7 33	-3.1	-1.6	1.4	2.7	2.2	4.9	6.3	6.7						5.5	4.7
-172		8 4	-2.9	-3.3	-1.6	.9	-.7	2.2	2.5	3.2						3.2	1.8
-173		8 23	-1.9	.1	2.1	2.0	3.3	6.4	7.1	6.9						3.8	3.8
-174		8 27	-2.3	-1.5	.8	.1	1.1	4.3	4.6	5.3						2.8	2.1
-180		13 51	16.8	15.0	12.3	13.1	12.7	10.0	8.5							9.4	13.8
-181		14 2	15.5	14.0	12.3	13.4	13.0	10.3	8.7							9.8	14.1
-182		14 4	14.9	11.5	9.1	9.9	9.8	7.1	7.4	8.7						8.3	11.1
-183		14 6	11.0	8.1	5.6	6.1	6.3	3.9	3.9	4.8						8.3	8.4
-185		14 8	19.8	17.4	14.6	15.4	14.6	11.8								10.1	16.8
-186		14 13	13.0	11.4	9.1	9.8	9.4	6.7	8.4	10.0						8.0	10.7
-187		14 14	16.1	13.9	11.9	12.0	12.4	10.6								9.0	13.8
AA-104-190	19 SEP 80	7 12	27.6	24.2	21.3	23.2	20.7	15.4								12.5	20.7
-191		7 14	23.1	23.3	22.6	22.3	19.7	15.0								12.3	20.3
-195		7 33	8.3	4.7	4.5	4.0	11.8	8.2	10.1							10.9	9.4
-196		7 39	10.2	7.1	5.9	8.4	5.5	9.0	7.9							11.2	10.5
-197		7 42	11.1	6.3	3.0	5.8	10.0	10.9	9.0	10.1						10.9	9.4
-198		7 44	12.7	6.3	1.7	1.4	7.2	6.0	5.1	10.3						10.1	6.9
-199		7 46	10.7	7.5	4.0	3.5	10.1	7.6	7.3	11.2	9.0					10.6	8.8
-211		13 16	19.0	16.8	15.2	17.0	16.6	13.9								11.8	17.8
-212		13 21	22.2	19.8	17.6	18.0	17.7	14.6								12.9	19.2
-213		13 35	23.7	21.2	19.6	19.5	19.4	16.9								11.6	18.6
AA-104-217	23 SEP 80	7 21	16.4	12.9	10.0	10.8	9.3	5.6	3.6	2.9						9.1	10.5
-218		7 23	17.5	16.7	13.6	13.8	12.1	8.5	6.3							9.5	14.0
-219		7 24	16.7	14.8	13.0	13.9	12.8	9.5	6.4							9.5	14.0
-222		7 41	14.5	11.2	9.9	11.3	9.0	5.9	4.0	3.2						9.6	10.2
-223		7 43	16.0	13.1	10.4	10.6	8.4	5.0	1.7							9.5	10.4
-224		7 46	18.7	16.9	14.3	14.1	12.1	7.8								10.2	15.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE D26

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-239	24 SEP 80	7 12	4.9	4.5	2.7	3.5	4.1	3.6	6.0	10.6	21.8	33.3	37.9	31.1	28.6	26.4	31.8
-240		7 13	5.0	4.3	2.9	3.9	4.3	3.8	6.0	10.5	21.1	33.2	38.7	31.1	28.8	26.7	31.8
-241		7 15	4.8	4.1	2.4	3.2	3.7	3.2	5.5	10.2	21.4	33.1	37.5	29.8	26.9	25.3	30.4
-242		7 16	4.6	4.0	2.5	3.3	3.6	3.2	5.4	9.8	21.0	34.4	38.8	29.6	26.3	24.7	31.3
-249		7 39	4.2	3.8	2.3	3.2	3.6	3.3	5.4	11.0	22.9	33.1	37.3	28.7	25.3	24.4	30.9
-250		7 40	4.4	3.8	2.1	3.1	3.6	3.0	5.5	11.1	23.5	33.0	36.1	27.3	23.8	23.1	32.3
-251		7 42	4.1	3.7	2.0	2.8	3.3	3.1	5.4	11.0	24.1	32.4	36.2	29.1	26.3	24.0	32.7
-252		7 43	4.2	3.5	1.8	2.6	3.0	2.9	5.5	11.0	24.1	32.8	36.0	29.6	27.5	25.7	31.8
-253		7 45	4.5	3.8	2.3	3.1	3.6	3.4	5.7	11.1	23.3	33.6	37.5	28.6	26.1	24.6	31.8
-255		7 48	3.9	3.2	1.7	2.5	2.9	2.6	5.2	10.5	23.1	33.2	37.4	29.5	26.0	23.0	45.2
-256		7 49	3.5	3.2	1.8	2.6	3.0	2.6	5.2	10.5	23.2	32.9	36.0	29.1	26.4	23.1	35.8
-262		15 17	2.4	2.4	.9	2.0	1.8	2.2	3.3	6.6	15.5	29.3	30.9	24.0	21.2	18.7	32.7
-263		15 18	1.6	1.4	.0	.9	.6	2.2	3.9	10.3	20.7	25.6	29.8	18.5	16.7	13.4	32.2
-264		15 24	3.4	3.1	1.5	1.6	1.1	1.6	1.3	4.3	13.1	25.9	26.4	18.0	16.6	15.4	22.9
-265		15 26	1.3	1.3	-.2	.3	.0	.7	1.3	5.4	15.7	28.2	30.5	19.8	12.3	9.8	32.2
-266		15 28	1.7	1.4	-.5	.3	-.3	.2	1.3	5.6	17.2	29.1	30.3	17.7	14.6	11.7	33.1
AA-104-272	25 SEP 80	7 30	1.2	1.4	.0	1.0	1.3	1.2	4.6	12.3	23.6	31.3	33.0	22.0	18.5	13.4	40.7
-273		7 32	.9	.6	-.7	.3	.6	.7	4.0	11.3	24.4	31.4	34.5	22.4	16.9	12.7	32.2
-274		7 34	.9	.7	-.7	.0	.4	.3	3.6	10.8	24.8	29.8	33.5	23.7	18.8	14.4	32.7
-275		7 36	2.0	1.6	.2	.9	1.1	1.0	4.0	10.7	24.7	30.1	33.7	25.5	21.0	17.9	36.7
-276		7 38	2.6	1.7	.2	1.0	1.7	1.6	4.5	10.9	25.1	32.1	34.0	25.8	23.5	20.3	30.4
-279		8 0	2.4	1.7	.2	1.0	1.6	1.2	4.3	10.6	25.5	29.9	33.8	27.2	25.0	22.5	32.6
-280		8 2	2.5	1.7	.2	.9	1.5	1.1	4.2	10.5	25.2	30.5	34.5	26.8	23.5	19.5	40.2
AA-104-286	30 SEP 80	14 30	2.1	1.7	.5	1.4	2.5	2.1	5.3	11.4	20.6	24.4	26.7	19.9	13.6	11.6	31.3
-287		14 31	1.5	1.0	-.4	.4	1.9	1.9	5.4	13.0	23.0	26.1	26.9	17.2	11.4	10.3	26.8
-288		14 33	1.2	.4	-.4	1.0	2.6	3.0	6.7	13.5	21.4	26.9	29.1	18.4	12.8	12.5	29.9
-289		14 34	3.1	1.9	.8	1.7	2.7	2.9	6.2	12.0	20.4	26.2	28.0	19.2	13.2	13.0	30.9
-290		14 37	2.8	2.6	2.0	3.5	5.0	5.0	8.9	15.3	25.1	31.1	32.0	21.7	16.3	16.7	32.6
-296		15 13	1.5	1.7	.0	.6	2.3	1.9	6.4	13.0	19.6	26.0	27.4	17.4	11.3	11.0	30.8
-297		15 25	1.8	1.5	.4	.7	2.1	2.0	6.6	14.7	22.8	29.1	29.3	16.3	9.4	9.3	31.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE E26

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-239	24 SEP 80	7 12	26.3	24.1	22.0	22.8	23.0	20.6								10.5	20.7
-240		7 13	26.1	24.8	22.1	22.4	22.8	20.2								10.7	20.7
-241		7 15	24.2	21.2	18.7	20.6	19.5	16.9								10.3	19.4
-242		7 16	24.6	23.1	21.1	21.9	20.7	18.1								10.1	19.8
-249		7 39	22.2	20.3	19.9	20.7	18.6	16.1								10.2	19.2
-250		7 40	22.6	21.5	19.6	20.4	19.1	16.4								10.3	19.4
-251		7 42	23.4	22.3	20.3	21.9	21.1	17.7								10.1	19.9
-252		7 43	24.6	24.1	21.2	22.0	19.3	15.1								10.1	19.6
-253		7 45	22.2	20.1	18.8	19.9	17.7	14.0								10.5	18.8
-255		7 48	22.3	20.3	17.8	17.3	14.9	11.4								9.8	17.3
-256		7 49	22.6	20.1	18.3	19.0	17.2	13.7								10.0	18.4
-262		15 17	16.4	15.4	13.1	13.8	12.9	10.0								8.0	14.5
-263		15 18	12.1	10.0	8.6	9.1	7.7	3.9	1.7							8.3	10.0
-264		15 24	13.8	12.6	10.8	11.5	10.7	7.5								5.6	11.9
-265		15 26	8.5	7.2	5.1	5.8	6.7	5.1								6.1	9.6
-266		15 28	9.7	7.2	4.8	5.4	4.6	1.3	1.5	2.5						6.2	7.0
AA-104-272	25 SEP 80	7 30	8.7	4.6	-.6	-3.1	-5.8	-7.4	-1.8	-2.2	-4.6	-3.4				5.6	-.9
-273		7 32	10.7	7.8	3.5	1.4	-1.5	-3.9	2.3	5.0	-2.0	-4.5				6.8	2.9
-274		7 34	10.7	8.6	7.4	6.5	3.2	-.8	1.5			-3.4				7.6	6.7
-275		7 36	15.0	12.3	8.7	5.8	1.3	-3.9	-5.5	-3.9	-2.2					7.1	2.7
-276		7 38	17.6	16.6	13.4	11.5	8.6	5.0	5.0	6.8						9.0	11.4
-279		8 0	21.2	21.0	19.2	19.2	19.2	16.5								9.0	18.7
-280		8 2	18.8	16.0	13.4	14.2	14.5	11.6								9.0	15.8
AA-104-286	30 SEP 80	14 30	10.7	9.4	8.1	9.3	9.1	7.0								8.5	11.7
-287		14 31	9.8	8.3	6.3	6.9	5.8	2.7	1.0							9.3	8.8
-288		14 33	11.4	10.1	8.9	9.9	9.5	7.0								10.3	12.7
-289		14 34	11.8	10.5	9.1	10.2	9.3	6.8	6.9	8.8						10.0	11.3
-290		14 37	15.5	14.3	12.7	13.6	13.4	11.4								13.0	16.8
-296		15 13	9.3	7.2	5.7	6.6	6.3	3.9	2.9							9.0	8.4
-297		15 25	7.9	6.5	5.2	5.8	5.4	3.3	3.3							9.8	8.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE D27

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-304	01 OCT 80	7 17	.2	-1.1	-2.0	-1.6	1.5	1.6	9.7	19.9	25.9	31.9	23.0	14.5	10.9	6.0	31.3
-305		7 19	.2	-1.7	-2.8	-2.5	.4	1.0	10.3	16.9	21.9	28.0	22.1	8.9	3.9	1.2	31.7
-306		7 21	-.4	-1.6	-2.7	-2.1	.9	1.3	10.0	15.9	22.7	25.9	17.4	5.4	1.8	.9	30.8
-307		7 22	-.1	-1.7	-2.4	-1.8	1.1	1.9	11.0	17.3	25.4	28.3	13.7	1.9	-1.2	-.4	32.6
-308		7 24	-.2	-1.3	-2.4	-2.1	.9	1.7	11.8	16.4	23.7	28.0	16.1	3.4	-1.5	-3.2	31.3
-314		7 44	1.5	.3	-.6	-.1	2.2	2.4	10.4	19.3	29.0	34.9	23.6	11.8	6.9	2.4	30.8
-315		7 46	.6	-.5	-1.5	-.5	1.9	2.2	10.1	18.6	28.5	36.1	23.3	10.8	6.7	2.9	31.3
-316		7 47	1.2	-.1	-.9	-.6	1.8	2.2	10.0	18.9	28.0	35.3	24.3	11.6	5.1	.8	31.3
-317		7 49	1.2	-.1	-1.1	-.7	1.7	1.7	9.9	20.8	28.3	36.6	27.0	15.9	10.9	6.8	26.8
-318		7 50	.2	-1.0	-1.7	-1.1	1.2	1.4	9.2	19.5	26.4	33.2	23.4	11.2	6.5	2.9	33.5
-324		8 15	2.0	1.1	.1	.6	2.3	2.1	7.9	18.2	26.3	36.5	29.5	18.1	14.2	10.2	34.0
-325		8 17	.4	-.2	-1.2	-.6	1.3	1.5	7.8	18.1	26.1	33.4	23.9	12.0	9.9	6.9	34.0
-326		8 18	.8	.0	-1.0	-.2	1.7	1.7	8.5	19.5	25.3	33.0	23.9	12.8	8.5	4.7	32.2
-327		8 20	.8	-.1	-1.5	-.8	1.1	1.1	7.8	19.1	22.9	30.3	24.0	12.8	9.3	6.5	31.3
-328		8 22	1.5	.5	-.5	.0	1.5	1.6	7.4	18.6	24.0	31.0	24.0	13.9	10.8	7.6	30.4
-329		8 24	.6	-.3	-1.3	-.6	1.1	1.1	6.7	17.3	24.4	30.3	23.7	13.2	10.8	9.0	33.5
AA-106-336	16 DEC 80	7 51	3.9	4.5	3.5	2.8	3.9	2.3	3.4	7.1	15.2	27.1	29.0	24.6	22.1	19.7	32.2
-337		7 53	3.1	3.9	3.0	2.6	3.8	2.3	3.6	7.0	14.5	25.8	29.2	26.0	24.4	21.0	34.0
-338		7 56	3.8	4.3	3.8	3.5	4.9	3.7	5.0	8.4	15.0	26.2	31.1	29.0	27.2	24.5	38.1
-339		8 7	3.5	4.2	3.5	3.2	4.6	3.2	4.2	7.2	13.9	26.1	29.1	27.4	26.0	23.3	33.1
-340		8 9	4.5	4.6	3.7	3.3	4.6	3.2	4.5	7.8	14.7	25.4	29.1	27.3	25.4	22.7	35.4
-341		8 11	4.6	4.6	3.7	3.1	4.3	2.6	4.1	7.5	14.3	25.3	29.2	27.9	26.4	23.0	33.6
AA-106-360	17 DEC 80	13 42	.1	.6	-.5	-1.6	.5	-1.7	.8	6.5	18.6	26.6	26.7	18.8	14.7	10.9	33.5
-361		13 45	.5	.4	-.4	-1.4	.6	-1.3	1.9	8.3	18.4	26.0	26.3	17.5	12.2	7.8	34.9
-362		13 50	-.6	.1	-1.1	-2.7	-.4	-2.5	1.5	10.2	19.9	27.8	27.4	18.1	12.4	6.5	32.2
-363		13 54	-.5	-.6	-1.8	-2.9	-.4	-2.2	2.2	11.1	18.8	26.2	24.2	13.9	8.1	2.7	29.5
-364		13 57	-.9	-.6	-1.8	-3.0	-.8	-3.0	.7	8.3	19.2	26.9	26.2	15.7	9.0	3.7	34.4
-365		14 1	.1	.5	-.6	-2.1	.3	-1.7	2.5	10.2	21.9	28.6	27.2	18.4	11.9	6.8	33.5
-366		14 6	.2	.6	-.7	-2.0	.1	-1.9	2.4	9.5	18.9	26.2	26.7	18.3	13.7	9.4	33.5
AA-106-391	09 JAN 81	14 38	-.8	-1.7	-1.0	2.8	14.7	20.5	26.0	29.6	29.6	23.9	18.7	15.5	14.0	11.6	15.7
-392		14 42	-1.4	-2.4	-1.3	2.7	16.1	21.0	24.1	27.0	26.1	20.6	15.1	11.5	7.9	4.7	37.6
-393		14 44	-.8	-2.3	-1.4	2.8	15.7	19.5	23.4	26.3	24.5	19.2	14.8	12.0	8.5	6.1	29.1
-394		14 45	-1.0	-2.3	-1.0	2.8	15.8	21.5	26.0	28.9	28.3	22.1	16.5	14.0	11.7	8.9	37.2
-395		14 47	-1.3	-2.6	-1.2	2.3	15.3	22.0	24.2	27.2	26.2	20.4	13.4	10.6	8.3	5.7	25.5
-396		14 49	-1.5	-2.6	-1.7	2.2	15.2	21.4	24.6	25.9	25.7	20.8	15.2	11.4	9.1	5.8	36.3
-397		14 50	-1.2	-1.9	-1.1	2.2	15.4	23.0	24.7	27.8	28.5	22.5	17.9	15.0	11.8	8.1	24.6
-398		14 52	-1.1	-2.0	-1.0	2.8	15.8	21.3	25.4	27.0	26.4	21.8	16.9	14.6	12.5	10.4	33.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE E27

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-304	01 OCT 80	7 17	3.2	3.0	-1.3	-3.4	-.5	1.8	.7	3.2						7.0	2.0
-305		7 19	1.5	2.3	-2.7	-3.2	-1.2	.6	2.4	3.7	1.4					6.1	1.3
-306		7 21	3.2	.3	-2.8	-3.4	-2.6	-1.0	.7	.8	-.1					5.6	.4
-307		7 22	2.4	-3.7	-4.4	-4.2	-3.3	-3.8	-.8	.7	-.5					4.6	-1.3
-308		7 24	-1.7	-1.3	-4.4	-3.3	-2.4	-3.6	-1.8	.4	-.8	-2.8				4.3	-1.5
-314		7 44	.3	.2	-.3	.8	5.1	3.2	5.2	6.7						7.7	3.2
-315		7 46	.8	-.7	-1.4	-1.1	4.9	.7	4.6	7.5						6.8	2.3
-316		7 47	-1.7	-2.6	-.4	3.2	5.3	.5	2.2	5.6						7.1	2.3
-317		7 49	3.0	.0	1.9	10.6	7.9	4.0	7.1							8.5	5.7
-318		7 50	.6	-2.4	-2.9	5.8	2.8	-2.7	1.9	1.6	.8					6.4	1.4
-324		8 15	7.1	2.5	-1.7	-4.3	-4.9	-3.7	.7	1.7	1.4					6.5	.1
-325		8 17	4.6	-.3	-3.4	-3.2	-1.5	-.8	1.2	1.6	2.1					6.4	.7
-326		8 18	1.7	-2.5	-5.2	-5.3	-3.6	-2.5	-3.4	-3.1	.2	-6.4				4.8	-2.1
-327		8 20	5.4	1.8	-.7	-2.8	-4.5	-5.9	-3.9	-.7	-.2	-3.3				5.8	-.5
-328		8 22	4.9	1.0	-2.0	-2.6	-3.0	-4.1	-3.9	.9	1.0	-2.6				6.0	-.2
-329		8 24	7.7	4.8	2.6	1.0	-1.5	-4.1	-3.5	-1.5	.1					6.8	1.8
AA-106-336	16 DEC 80	7 51	16.5	13.9	12.8	13.1	11.9	10.0	8.9	7.5						9.3	13.1
-337		7 53	19.0	18.0	16.9	16.5	15.1	13.2	11.2	10.2						9.2	15.2
-338		7 56	22.0	20.2	19.6	19.5	18.3	16.6								10.6	18.7
-339		8 7	20.6	19.0	18.4	18.4	17.0	15.2								9.7	17.4
-340		8 9	20.7	18.6	17.4	17.9	16.7	15.3								9.9	17.5
-341		8 11	20.7	20.2	18.7	18.6	17.3	15.6								9.8	17.9
AA-106-360	17 DEC 80	13 42	6.3	2.7	2.0	2.4	-.7	-1.1	.7	1.9						6.0	4.2
-361		13 45	4.3	2.2	1.5	1.2	.5	-.2	.4	1.6						6.7	4.1
-362		13 50	1.5	-1.5	.2	3.2	2.2	1.7	3.4	3.5						6.2	4.0
-363		13 54	-.1	-2.2	-2.5	.3	1.0	-.9	-.8	.0						5.5	2.0
-364		13 57	-.2	-3.0	-3.0	-.7	-.8	-1.6	-1.7	-1.0	-7.0					4.7	.5
-365		14 1	3.3	.9	.3	1.1	.9	1.1	2.0	4.3						6.5	4.2
-366		14 6	6.0	2.6	1.5	1.7	1.5	2.0	2.8	3.9						6.7	5.3
AA-106-391	09 JAN 81	14 38	7.9	5.2	3.4	1.4	-2.2	-6.0	-7.7	-6.7	-6.8					3.6	-1.0
-392		14 42	1.0	-.9	-1.4	-1.5	-3.8	-6.2	-5.3	-5.6						2.3	-1.9
-393		14 44	3.5	2.4	1.7	.8	-2.4	-5.9	-7.7							3.9	-.3
-394		14 45	5.4	3.6	2.5	1.1	-2.5	-6.0	-7.8	-8.3						3.3	-1.2
-395		14 47	2.7	1.5	.9	-.2	-3.7	-6.7	-6.8	-6.2						3.0	-1.5
-396		14 49	2.0	.1	-.8	-1.4	-4.0	-6.0	-6.5	-6.4						2.4	-1.8
-397		14 50	3.7	.8	-1.0	-2.7	-5.9	-7.4	-6.5	-5.6						1.9	-2.6
-398		14 52	6.2	3.5	2.5	1.7	-.8	-2.8	-4.7	-6.4						4.8	.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE D28

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-403	13 JAN 81	8 23	-1.1	-1.5	-1.3	4.1	15.7	19.9	21.5	21.1	19.6	15.8	8.9	5.9	2.6	-.3	35.4
-405		8 26	-2.2	-2.3	-1.7	3.6	15.0	20.3	24.3	22.7	20.6	15.6	9.6	5.3	1.4	-1.9	36.0
-406		8 27	-2.1	-2.0	-1.5	3.5	15.6	18.7	21.8	21.2	19.4	15.9	10.6	7.6	3.6	.9	33.8
-410		8 45	-2.4	-2.2	-1.6	3.8	15.7	18.3	20.7	20.4	19.4	14.1	8.8	6.2	3.0	-.3	23.3
-411		8 47	-1.0	-1.6	-1.0	4.2	16.4	20.5	22.8	23.3	23.2	18.6	11.9	8.3	3.9	.5	36.3
-412		8 50	-2.6	-2.6	-1.7	3.9	16.6	18.9	20.6	20.4	19.0	14.3	9.2	6.6	2.4	-.8	28.7
-418		13 31	-.9	-1.5	-.8	3.1	15.1	24.1	22.9	22.9	22.7	18.3	12.4	10.6	9.8	8.0	34.6
-419		13 35	-.9	-1.3	-.7	3.1	15.4	24.1	25.1	25.2	25.6	20.7	15.6	13.1	9.8	6.6	34.1
-420		13 37	-.6	-1.7	-.9	3.4	15.3	24.0	23.8	23.2	21.8	18.9	13.0	10.3	7.3	4.2	17.5
-421		13 39	-.9	-1.5	-.4	4.1	17.2	20.1	23.2	23.3	24.1	18.8	13.6	11.3	9.5	7.1	34.6
-422		13 40	-1.5	-1.8	-1.0	3.3	15.6	21.9	22.7	22.2	22.7	17.2	10.9	8.5	6.9	4.9	35.5
-423		13 42	-.9	-1.6	-.6	3.2	14.8	24.0	25.0	26.5	26.2	22.0	16.9	15.1	13.0	11.4	38.6
AA-106-429	15 JAN 81	8 33	.2	-1.2	-.7	2.2	13.0	25.1	27.8	27.6	24.2	20.9	18.1	16.3	14.8	13.7	35.4
-430		8 34	.1	-1.0	-.6	2.3	13.0	24.9	27.9	28.5	26.1	21.8	19.5	18.6	17.0	15.2	34.5
-431		8 36	.0	-1.2	-.7	2.3	13.0	24.6	26.9	27.7	26.2	22.5	19.4	17.7	16.5	15.0	35.4
-432		8 37	-.3	-1.2	-.7	2.2	13.0	25.1	27.7	28.2	26.3	22.6	20.2	18.3	16.8	15.1	34.5
-433		8 39	-.2	-1.3	-.8	2.1	13.2	24.8	27.1	26.4	23.9	21.8	19.4	16.6	14.0	12.7	35.4
AA-106-438	03 FEB 81	9 38	2.2	-.9	-1.3	-1.8	3.0	4.6	16.2	21.1	23.7	25.8	10.7	.5	-1.3	-1.9	35.4
-439		9 43	1.4	-1.1	-1.9	-2.3	1.9	2.5	15.8	22.8	26.2	29.5	14.3	1.3	-3.1	-5.6	35.4
-440		9 48	1.5	-.8	-1.7	-2.0	2.0	1.8	12.9	22.5	28.9	30.9	19.6	8.0	3.8	-.4	29.2
AA-106-446	04 FEB 81	8 38	1.2	-1.4	-1.9	-2.3	1.8	2.9	8.8	16.2	26.5	28.7	16.6	8.0	6.4	1.6	37.6
-447		8 40	.9	-1.9	-2.2	-2.5	1.0	3.3	12.7	21.0	25.0	26.7	10.6	1.3	-1.1	-3.6	38.5
-448		8 41	1.2	-1.3	-1.7	-2.0	1.5	3.2	10.0	15.7	25.6	27.8	14.8	6.5	4.2	1.3	38.1
-449		8 43	1.6	-.8	-1.2	-1.5	1.9	3.7	10.7	17.5	27.9	29.7	19.8	9.7	6.2	1.8	37.6
AA-106-455	12 FEB 81	13 56	1.2	-.5	-1.3	-1.6	2.6	4.3	14.5	17.5	25.7	28.0	19.0	10.3	7.6	4.7	34.5
-456		13 58	1.5	-.1	-.6	-.9	3.0	4.1	15.4	17.7	26.2	30.8	22.4	14.4	12.2	9.8	35.4
-457		14 1	.4	-1.0	-1.8	-1.5	2.7	4.2	13.7	18.1	27.5	30.5	22.2	14.1	12.6	10.4	34.5
-458		14 6	1.2	-.8	-1.4	-1.5	1.9	3.0	16.2	19.5	26.5	30.3	22.8	15.3	14.4	12.3	20.1
AA-106-464	25 FEB 81	8 33	4.1	3.3	2.4	2.4	3.9	.8	2.2	6.3	14.2	23.1	25.7	26.6	25.5	22.6	33.1
-465		8 34	3.9	3.2	2.4	2.5	4.3	1.1	2.7	7.1	15.5	24.4	28.3	27.3	25.5	21.1	33.5
-466		8 36	3.4	2.5	1.4	1.2	2.8	-.3	1.0	5.4	13.8	23.8	26.8	25.6	22.8	16.9	32.2
-467		8 37	3.6	2.7	1.7	1.7	3.4	.2	1.6	6.0	14.0	23.3	26.2	25.8	25.0	21.2	34.4
-468		8 39	3.4	2.7	1.7	1.8	3.6	.3	1.8	6.4	14.9	23.4	26.6	26.8	24.8	20.3	33.5
-474		13 16	3.6	3.5	2.4	3.0	4.3	1.6	2.7	6.1	12.0	18.6	19.5	19.1	22.0	20.7	33.9
-475		13 18	3.0	2.6	1.6	2.3	3.8	1.6	3.4	6.8	12.4	18.5	20.8	21.5	24.3	22.0	33.6
-476		13 19	3.1	2.8	2.2	3.4	5.2	3.1	4.8	8.3	14.0	19.5	20.6	21.2	24.8	25.0	33.1
-477		13 26	2.5	2.6	1.4	2.1	3.8	1.8	3.4	6.8	13.4	21.2	22.1	22.4	23.9	22.1	35.8
-478		13 29	3.3	3.2	2.4	3.0	4.7	3.1	5.3	8.8	14.7	20.5	22.3	21.9	23.9	22.1	35.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 19.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-403	13 JAN 81	8 23	-1.9	-4.1	-3.3	-.3	-.5	-2.9	-4.6	-3.1	-7.3					3.7	-1.7
-405		8 26	-2.6	-2.4	.0	.4	-.2	-3.7	-7.0							4.0	-.8
-406		8 27	-.2	-1.2	.3	3.1	2.4	-.6	-2.7	-1.1						5.9	1.3
-410		8 45	-2.3	-4.4	-3.4	-1.1	-1.5	-3.3	-7.0							3.4	-1.8
-411		8 47	-1.3	-2.5	-.9	1.7	1.2	-.7	-3.3	-2.1	-5.6					4.6	-.2
-412		8 50	-2.0	-3.5	-2.0	.5	.8	-1.9	-5.3							4.3	-.5
-418		13 31	5.1	1.8	-.1	-1.4	-1.6	-.7	-.2	-2.6						5.9	.9
-419		13 35	3.4	.5	.0	1.5	2.8	1.6	-2.7	-2.3						6.9	2.1
-420		13 37	1.2	-.4	-.3	1.7	2.2	-.5	-2.5	-1.9						5.5	1.4
-421		13 39	4.8	2.5	2.6	3.9	3.8	2.5	.4	.2						8.0	4.1
-422		13 40	2.4	-.5	-1.1	-.4	-.4	.0	-1.6	-2.3						5.6	.9
-423		13 42	8.7	5.2	2.7	.9	-1.6	-1.6	.2	-.2						7.3	2.5
AA-106-429	15 JAN 81	8 33	11.7	10.6	9.7	6.5	2.0	-2.2	-5.6	-6.8	-9.1	-9.2				3.8	.0
-430		8 34	12.6	10.9	9.3	6.7	2.9	-.7	-3.7	-5.4	-8.6	-9.0				4.7	1.0
-431		8 36	12.4	10.7	9.5	6.8	2.9	-.9	-4.2	-5.9	-9.2	-9.7				4.3	.6
-432		8 37	12.5	10.4	9.2	6.8	3.0	-.8	-3.7	-5.4	-8.9	-10.0				4.3	.6
-433		8 39	10.1	8.0	6.1	3.3	-.5	-4.3	-7.3	-8.4	-10.6	-10.9	-14.5			.9	-2.9
AA-106-438	03 FEB 81	9 38	-2.0	-4.7	-1.9	1.3	.6	1.3								4.7	.1
-439		9 43	-4.0	-5.0	-2.9	.4	-1.8	1.2								3.4	-1.3
-440		9 48	-3.1	-3.3	-1.6	.7	2.1	2.5								5.5	1.0
AA-106-446	04 FEB 81	8 38	-2.0	-3.7	-2.1	1.2	1.7	3.2	4.6							5.6	.9
-447		8 40	-5.0	-4.6	-2.7	-.8	-1.5	1.1	1.7	1.9						3.5	-1.4
-448		8 41	-.1	-1.9	-3.0	-1.4	1.4	2.0	1.1	1.0						5.5	.7
-449		8 43	-.6	-1.9	-2.0	.5	2.8	3.0	3.4							6.3	1.5
AA-106-455	12 FEB 81	13 56	2.1	.5	1.1	1.9	1.7	.7	.2							7.8	3.6
-456		13 58	8.9	7.6	6.8	6.0	3.4	1.3	-1.0	-1.5						8.7	5.3
-457		14 1	8.8	6.4	4.7	3.6	1.7	1.1								8.7	6.3
-458		14 6	11.6	9.3	7.8	6.9	4.2	1.9	-.7	-.7						8.4	6.1
AA-106-464	25 FEB 81	8 33	17.6	12.9	12.2	12.9	11.3	8.7								8.6	14.2
-465		8 34	16.9	12.4	10.9	10.9	8.6	5.7	.9							8.8	10.8
-466		8 36	11.1	5.4	3.4	2.9	.2	-2.9	-6.0	-8.0	-12.4					5.5	.6
-467		8 37	16.6	12.8	12.0	12.7	10.5	7.3	3.9							8.1	12.4
-468		8 39	16.8	13.9	12.4	11.8	9.3	6.4	3.4							8.4	12.0
-474		13 16	18.3	14.8	13.1	13.9	12.7	10.4								8.5	14.6
-475		13 18	18.8	15.3	13.4	13.4	11.8	10.5								8.9	14.8
-476		13 19	21.9	19.0	18.3	18.2	16.8	14.8								10.4	17.7
-477		13 26	18.6	14.8	13.2	12.9	11.5	9.6								8.9	14.9
-478		13 29	19.7	15.8	13.4	13.2	11.4	9.6								10.6	15.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	3.3	1.8	.9	.7	3.0	-.7	2.0	8.3	20.6	23.9	32.0	27.3	23.3	18.3	33.5
-486		7 31	2.9	1.8	.4	.6	2.7	-.9	3.1	10.4	17.0	23.0	30.8	23.7	18.5	13.0	34.4
-487		7 32	2.9	1.5	.3	.2	2.2	-.9	2.1	8.7	18.6	22.0	29.2	23.1	17.2	12.3	35.3
-488		7 34	3.2	2.2	1.6	1.4	3.8	.3	3.5	10.6	18.7	22.3	32.5	27.3	22.1	18.0	34.4
-491		7 51	5.1	4.0	3.1	3.3	5.2	1.2	3.0	6.4	14.6	22.9	25.7	27.0	25.5	24.2	16.2
-492		7 53	4.4	3.3	2.9	2.6	5.0	.9	2.9	6.9	15.4	24.3	27.8	26.9	23.8	22.8	23.1
ESA STATISTICS:																	
MINIMUM			-2.6	-3.0	-4.0	-4.6	-4.6	-4.6	-1.1	4.3	10.4	14.1	8.8	.5	-4.3	-5.6	15.7
MAXIMUM			7.1	5.7	4.8	6.6	17.2	25.1	27.9	29.6	29.6	36.6	41.7	35.8	33.0	30.2	45.2
AVERAGE			2.0	1.3	.5	1.4	4.3	4.9	8.4	13.6	20.7	26.9	26.1	18.6	15.4	12.3	32.0
STANDARD DEVIATION			2.0	2.3	1.9	2.2	4.9	7.3	7.4	6.6	4.9	5.1	7.6	8.0	8.7	8.7	4.2
NUMBER OF DATA POINTS			173	173	173	173	173	173	173	173	173	165	173	169	173	173	173

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 423 METERS

IDENTIFICATION:
OMEGA 18.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 423 M

DATE 02 FEB 87
PAGE E29

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-485	27 FEB 81	7 29	13.7	8.9	6.3	4.1	.3	-1.9	-1.6	-.4						7.9	5.4
-486		7 31	8.7	4.1	1.8	.5	-1.8	-3.6	-3.3	-.7						7.2	3.2
-487		7 32	9.7	6.6	4.1	1.8	-1.8	-3.3	-2.0							7.4	4.6
-488		7 34	15.5	11.3	7.2	4.3	.7	-1.8	-1.5	1.8						8.7	6.2
-491		7 51	22.1	19.4	18.5	17.9	16.7	15.3								8.7	17.3
-492		7 53	20.5	17.7	15.9	14.8	13.9	12.5								8.8	16.3
ESA STATISTICS:																	
MINIMUM			-5.0	-5.0	-6.8	-6.3	-5.9	-7.4	-7.8	-8.4	-12.4	-10.9	-14.5			.9	-2.9
MAXIMUM			27.6	24.8	22.6	23.2	23.0	20.6	11.2	11.2	9.0	.5	-14.5			14.4	20.7
AVERAGE			9.8	7.6	6.2	6.8	6.2	4.4	.8	1.1	-2.5	-5.2	-14.5			7.5	7.4
STANDARD DEVIATION			8.6	8.4	7.8	7.6	7.4	6.8	4.5	4.7	4.8	3.6				2.5	7.2
NUMBER OF DATA POINTS			173	173	173	173	173	172	120	92	33	17	1			173	173

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE D30

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-034	29 NOV 79	11 1	13.2	13.0	13.0	13.2	14.9	15.0	17.4	20.8	22.7	26.8	28.9	28.7	27.2	26.5	18.8
AA-101-036	06 DEC 79	11 14	1.7	1.1	.7	1.0	.6	.5	1.0	4.4	10.0	23.0	29.1	27.6	22.2	17.8	28.6
-037		15 15	2.6	2.3	1.7	2.5	3.2	2.9	4.5	7.3	9.7	14.6	20.6	27.7	28.5	27.8	30.0
AA-101-038	12 DEC 79	10 50		9.8	11.9											25.7	31.3
-039		11 18	.2	.1	-.1	-.3	.4	1.2	2.5	4.4	6.4	15.7	24.3		22.6	18.6	30.5
-040		13 10	2.6	2.7	1.7	2.1	2.3	3.4	4.1	8.4	14.8	25.0	28.1	24.9	19.6	14.3	29.1
AA-101-041	13 DEC 79	11 30	.3	.5	.2	.4	.6	.6	2.4	5.2	7.2	11.7	16.3	16.2	14.7	11.4	41.6
AA-101-043	14 DEC 79	12 6	-6.2	-5.1	-5.1	-4.0	-2.9	-2.6	-1.7	-.4	1.6	6.0	10.3	16.3	17.8	17.1	28.7
AA-101-044	23 JAN 80	11 54	2.2	2.4	3.2	4.1	6.8	7.6	10.9	12.8	14.6	19.4	21.9	21.8	19.0	18.6	28.1
AA-101-047	29 JAN 80	11 42	1.9	2.2	2.8	3.1	4.8	5.6	6.8	8.0	9.7	11.0	13.3	15.6	15.2	14.6	42.0
-049		13 27	2.8	3.4	3.8	5.0	7.6	7.6	9.8	11.4	14.5	20.3	24.4	24.6	20.6	18.8	29.5
AA-101-052	05 FEB 80	13 37	-1.0	-1.2	-.9	-.2	1.7	.4	2.2	1.8	3.1	9.0	17.9	26.5	24.2	18.4	28.7
AA-101-054	13 FEB 80	11 26	-.5	-.3	-.6	-.4	2.6	3.6	12.3	15.3	23.3	31.7	32.2	29.1	27.6	28.5	33.6
-055		11 53	-.5	-.4	-.3	-.1	3.6	4.5	12.6	16.7	23.1	32.6	33.8	30.4	27.9	28.6	38.1
-056		12 4	1.6	1.3	1.1	.9	4.1	5.0	13.0	16.5	23.6	35.4	36.5	32.6	30.6	30.2	36.2
AA-101-060	14 FEB 80	9 54	1.2	-.5	-.8	-.9	1.8	2.7	8.5	10.0	16.5	25.9	30.5	28.9	26.4	26.1	47.0
-061		11 3	-.5	2.0	1.4	2.2	3.6	5.0	9.6	12.6	17.2	26.5	32.6	32.2	30.7	29.5	30.5
AA-101-065	20 FEB 80	11 19	1.1	1.1	1.0	1.3	3.1	1.5	2.8	3.1	4.4	6.2	6.7	11.7	17.5	24.8	32.7
AA-101-068	21 FEB 80	14 10	-3.0	-2.9	-3.5	-3.3	-2.7	-4.8	-4.5	-4.6	-3.5	-1.5	-.2	7.7	17.8	20.9	29.1
-069		14 13	-1.6	-.4	-.5	-.5	-1.1	-1.4	-2.0	-2.0	-1.3	.2	3.4	10.9	23.1	23.2	29.5
AA-101-073	27 FEB 80	11 57	6.2	1.0	-1.5	-1.1	2.6	8.8	17.2	25.2	27.0	26.6	24.5	21.4	17.3	14.5	21.8
AA-101-074	01 APR 80	11 3	3.5	2.0	1.9	1.8	4.6	3.3	5.5	8.0	11.5	17.5	25.1	32.7	33.9	32.3	41.1
-075		11 22	2.6	.9	.4	-.5	2.1	.4	2.4	5.3	8.5	14.5	21.4	28.1	27.9	25.7	33.5
AA-101-076	03 APR 80	11 17	2.4	.6	.1	-.8	2.0	.8	3.0	5.6	10.0	17.1	24.3				29.9
-077		14 12	1.5	-.6	-1.8	-2.1	-.9	-2.5	.2	4.4	12.4	22.7	27.5	26.6	23.4	17.3	39.3
AA-101-080	10 APR 80	9 39	2.8	1.4	1.1	1.9	4.0	4.2	4.8	6.7	9.4	13.6	17.4	21.9	20.5	19.0	19.2
-081		10 47	2.7	1.3	1.2	1.9	3.9	4.4	6.6	8.9	11.7	16.9	20.7	20.9	19.3	18.4	34.4
-082		11 47	4.0	2.8	3.1	3.7	6.8	7.4	13.3	15.6	18.9	24.3	27.2	26.3	25.1	23.4	31.7
-083		12 3	2.5	1.4	1.5	2.4	3.9	5.6	7.9	10.8	14.1	20.9	22.4	23.1	21.9	21.3	33.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE E30

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-034	29 NOV 79	11 1		24.8	23.8	22.1	19.4	13.4								19.1	22.7
AA-101-036	06 DEC 79	11 14	13.8	9.8	4.9	1.3	-1.3	-1.5	.1	3.0	-.1					6.0	6.0
-037		15 15	24.7	23.5	22.1	21.2	19.1	17.7								8.1	18.5
AA-101-038	12 DEC 79	10 50	25.4	25.9	23.3	21.2	22.3	20.9								27.7	25.7
-039		11 18	14.5	11.5	5.6											2.5	9.4
-040		13 10	9.8	7.0	3.5	1.6	1.0	1.6	2.4	3.8						8.1	6.8
AA-101-041	13 DEC 79	11 30	8.0	5.9	2.6	1.1	.8									2.5	6.8
AA-101-043	14 DEC 79	12 6	14.8	11.4	9.0	7.8	6.1	5.5	5.7	5.5						2.7	9.1
AA-101-044	23 JAN 80	11 54	15.7	15.0												11.3	18.4
AA-101-047	29 JAN 80	11 42	12.1	10.4	8.7	6.9	5.7	4.9								8.3	10.8
-049		13 27	16.3	13.1	11.3	9.9	8.5	8.0								12.9	14.8
AA-101-052	05 FEB 80	13 37	14.4	12.5	13.0	13.6	11.5	9.6	9.0	7.9						4.5	10.5
AA-101-054	13 FEB 80	11 26	25.0	24.0	24.0	23.9	22.1	21.6	22.8							11.4	24.1
-055		11 53	26.3	25.1	25.1	25.2	23.9	23.1								11.7	25.1
-056		12 4	28.2	26.4	25.7	25.4	24.2	22.8								13.2	26.2
AA-101-060	14 FEB 80	9 54	24.5	22.4	20.3	20.7	18.7	16.8	17.7							8.1	19.9
-061		11 3	27.0	25.1	24.4	24.0	22.1	20.9								7.1	18.0
AA-101-065	20 FEB 80	11 19	30.6	30.4	26.7	24.9	23.1	21.4	21.7	21.5						7.0	15.3
AA-101-068	21 FEB 80	14 10	10.8	2.5	-2.0	-3.9	-4.8	-5.4	-5.9	-6.4	-9.7	-8.7	-12.2			-2.3	-2.7
-069		14 13	14.4	7.3	4.0	1.2	-4.6	-4.5	-2.8	-3.6	-4.9	-4.7	-7.6			1.5	1.3
AA-101-073	27 FEB 80	11 57	12.9	10.8	10.9	8.6	7.5	5.5	6.4	4.4						10.1	10.8
AA-101-074	01 APR 80	11 3	30.9	28.9	28.1	25.6	25.2	23.3	24.9	22.6						10.8	21.8
-075		11 22	24.2	21.9	21.1	18.1	19.1	17.6	19.0	16.7						6.7	17.3
AA-101-076	03 APR 80	11 17	21.7	19.8	18.2		15.6	14.1								5.7	13.5
-077		14 12	12.1	5.9	2.7	-.1	.2	-1.8	.7	.5	1.8	2.5	1.8			6.5	5.5
AA-101-080	10 APR 80	9 39	18.3	17.1	16.8	14.9	14.6	13.3	14.6	13.0						8.8	15.6
-081		10 47	17.8	16.6	16.6	14.1	13.8	11.9								9.4	15.5
-082		11 47	23.1	21.3	21.2	18.7	18.2									14.2	21.3
-083		12 3	20.6	20.0	19.6	17.4	17.2	15.5								8.0	16.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
ONEGA 13.1
TEST AA-BOB-D81

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE D31

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-087	11 APR 80	10 51	2.7	1.1	.7	1.5	3.3	2.9	5.1	7.6	10.7	15.0	20.4	25.9	26.3	24.0	32.1
AA-101-088	16 APR 80	10 4	1.4	.0	-.6	-1.6	-.4	-.4	1.4	4.2	9.1	18.2	23.7	25.1	20.5	15.0	35.3
AA-101-089	17 APR 80	11 23	3.2	1.4	1.0	1.3	3.6	2.5	4.8	7.0	10.3	15.4	20.1	24.2	25.4	24.4	29.4
AA-101-090	18 APR 80	11 6	1.9	.7	.0	.0	1.7	.7	2.7	4.9	7.8	12.7	18.9	24.7	25.5	24.9	32.6
AA-101-092	22 APR 80	11 2	5.0	5.8	6.6	8.3	11.4	12.4	19.2	22.9	26.5	28.1	29.2	28.5	26.6	24.8	31.7
AA-101-094	06 MAY 80	14 33	-1.8	-2.9	-3.2	-2.4	-1.0	.3	4.1	9.5	16.4	21.7	21.6	20.8	17.2	14.0	28.6
AA-101-096	08 MAY 80	10 26	-1.7	-2.3	-.9	-.1	1.1	3.9	8.7	13.9	14.2	15.4	16.4	14.2	11.7		25.0
AA-101-098	09 MAY 80	10 40	.0	-.8	-.4	.7	3.1	4.4	8.2	13.0	17.4	22.0	25.2	25.4	25.0	23.0	34.9
-099		12 29	-.3	-1.0	-1.2	-.8	2.0	2.5	6.8	12.8	18.6	23.7	27.2	23.8	21.9	21.0	29.1
AA-103-101	09 SEP 80	7 10	.9	.9	-1.1	-.2	.7	1.5	6.9	17.0	25.1	31.1	32.1	27.5	25.5	22.9	30.8
-103		7 24	1.5	1.4	-.9	.1	1.0	1.8	7.9	18.5	26.1	35.2	36.5	31.0	27.5	21.0	30.4
-105		7 35	1.6	2.0	-.1	.5	1.3	2.1	7.7	17.8	26.3	33.0	35.8	30.1	26.9	21.0	32.2
-107		7 45	2.0	2.0	.2	.9	1.5	2.8	8.0	17.7	26.3	31.9	36.1	30.2	27.6	21.9	34.4
-109		7 55	2.5	2.2	.3	1.2	2.0	2.7	8.0	17.4	26.0	29.9	34.2	30.4	28.9	24.5	30.8
-111		12 26	4.1	4.9	5.5	8.8	10.1					32.6	36.0	31.0	27.1	25.3	40.2
-112		12 58	5.7	7.3	7.0	9.1	12.2	13.1	17.9	23.2	30.8	36.0	35.3	33.2	33.5	31.8	29.5
-114		13 10	5.8	7.7	7.6	10.7	14.1	17.2	21.9	25.5	31.6	34.8	35.0	31.1	32.5	31.0	32.2
-116		13 23	4.2	4.9	4.7	6.9	9.8	12.1	18.1	24.3	28.5	31.1	30.8	27.1	27.9	26.9	30.9
-118		13 37	4.6	5.5	4.6	6.9	8.8	11.6	16.1	21.5	25.4	29.0	31.7	28.7	29.3	28.5	33.1
-120		13 53	5.5	6.6	6.6	8.3	9.4	11.6	15.8	21.6	28.0	31.5	32.1	27.7	29.2	29.8	29.5
-122		14 8	4.8	5.5	5.4	7.0	9.0	11.5	17.2	22.2	26.1	30.2	32.3	29.0	29.3	28.3	28.6
AA-103-125	10 SEP 80	6 58	.7	-.2	-1.8	-1.7	-1.5	-1.7	.4	5.4	16.0	23.8	29.4	25.2	21.1	16.1	29.9
-127		7 11	1.2	.3	-1.3	-.8	-.2	-.4	1.8	6.9	17.3	27.3	33.4	27.2	21.9	16.0	30.4
-129		7 22	.7	-.3	-1.6	-1.1	-1.0	-1.0	1.4	6.1	16.2	24.6	30.8	26.9	23.1	19.2	29.9
-131		7 33	1.2	.7	-1.3	-1.1	-1.1	-1.0	1.3	6.1	16.9	27.1	32.9	26.0	21.1	15.0	28.6
-133		7 44	1.0	.2	-1.8	-1.6	-1.6	-1.5	1.0	5.7	17.6	24.2	28.8	21.6	16.6	11.2	30.4
-135		13 0	.8	.6	-.4	.4	1.7	1.6	3.3	6.0	9.7	13.3	16.3	20.2	24.9	23.0	29.1
-137		13 10	.1	-.3	-1.6	-1.1	-.8	-.9	.8	3.7	9.4	16.1	20.1	22.4	21.6	18.0	30.4
-139		13 19	.6	1.1	.1	1.1	1.9	1.1	3.6	7.0	10.9	13.2	17.3	20.8	22.3	19.5	31.3
-141		13 29	.1	-.2	-1.4	-.5	.0	-.1	1.9	5.1	11.0	16.7	21.0	25.8	26.0	21.8	30.4
-143		13 44	-.3	-.2	-1.4	-1.3	-.6	-1.0	1.6	4.9	10.4	14.4	17.3	20.9	22.8	20.2	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE E31

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-087	11 APR 80	10 51	23.0	21.7	20.0	17.7	17.1	10.9								10.0	18.2
AA-101-088	16 APR 80	10 4	9.6	5.5	4.9	3.1	4.0	3.5								4.4	9.7
AA-101-089	17 APR 80	11 23	23.0	20.7	20.5	18.4	18.0	16.6	18.1							9.3	18.2
AA-101-090	18 APR 80	11 6	22.3	18.7	18.2	17.5	17.5	15.6								7.6	16.8
AA-101-092	22 APR 80	11 2	25.5	24.7	24.3	22.4	22.4	20.8	22.8	22.0						19.5	24.0
AA-101-094	06 MAY 80	14 33	10.4	7.7	6.1	3.4	2.4	.2								7.9	8.3
AA-101-096	08 MAY 80	10 26														3.7	12.1
AA-101-098	09 MAY 80	10 40	21.5	18.4	17.4	15.2	15.3	12.7								11.7	19.0
-099		12 29	20.9	18.7	18.3	16.1	13.3	8.5								9.6	16.4
AA-103-101	09 SEP 80	7 10	18.9	14.8	10.2	5.9	2.2	.4	5.7	5.6	3.5	4.5	5.6	-1.0		9.9	8.6
-103		7 24	14.7	9.0	3.6	4.8	8.7	10.3	9.5	12.3	11.9	9.9	12.2	5.5		11.1	10.3
-105		7 35	15.1	9.9	4.6	1.7	4.8	3.0	8.5	7.9	5.2	5.5	6.7	1.9		10.8	8.5
-107		7 45	17.2	13.1	7.2	1.3	-.2	1.7	5.7	10.6	5.7	5.0	5.5	.5		10.9	7.8
-109		7 55	20.6	16.9	12.9	8.9	5.8	3.3	3.0	4.1	3.2	1.0	1.9			11.4	9.0
-111		12 26	25.1	25.2	23.8	23.0	22.3	19.4								19.9	25.1
-112		12 58	29.8	29.3	28.7	28.7	28.7	25.7	25.3	26.5						22.1	29.0
-114		13 10	28.9	28.7	28.4	28.4	28.3	25.5	25.3	25.9						24.1	28.8
-116		13 23	24.5	24.2	23.4	23.3	23.0	20.1	19.2	20.3	19.1					20.0	22.9
-118		13 37	26.0	25.2	25.0	24.2	24.2	21.0	20.1	20.2	17.3					19.1	23.6
-120		13 53	26.8	26.0	25.7	25.3	24.7	21.7	21.0	21.6	20.1					19.9	24.8
-122		14 8	25.6	25.8	25.7	25.1	24.6	21.8	21.3	22.3	21.0					19.8	25.0
AA-103-125	10 SEP 80	6 58	10.3	5.7	1.5	.0	3.0	5.2	2.1	5.4	3.2	1.3	.2			6.3	5.5
-127		7 11	9.4	4.5	.1	-1.7	1.3	4.4	2.2	4.7	2.9	1.1	2.3	-7.8		6.8	4.6
-129		7 22	14.4	10.2	5.2	1.4	2.1	7.2	4.6	8.2	6.0	4.7	3.9			7.2	7.7
-131		7 33	9.0	5.0	2.7	3.0	7.2	4.4	4.7	8.4	6.9	4.4				7.0	7.3
-133		7 44	6.7	3.2	.2	.1	3.8	.4	1.5	3.3	1.5	-.4	-.5	-10.4		5.5	3.6
-135		13 0	20.0	18.0	15.4	13.2	12.2	10.0	10.3	11.9	12.2					8.9	14.5
-137		13 10	14.6	12.6	9.4	6.7	5.5	3.5	3.7	5.7	6.6	5.5				6.8	9.3
-139		13 19	16.9	16.2	14.8	13.0	11.1	8.9	9.2	9.9	9.6					9.3	13.7
-141		13 29	18.0	15.3	12.2	9.3	7.0	5.1	5.8	7.3	6.5	7.2				7.9	11.5
-143		13 44	15.9	14.4	12.1	9.9	8.9	6.6	6.2	7.7	7.9	7.0				7.5	11.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE D32

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-145	16 SEP 80	7 19	.4	.1	-2.1	-1.7	-1.4	-.2	6.0	16.9	26.0	36.4	33.5	20.7	13.1	6.4	36.2
-147		7 34	.0	-.4	-2.4	-1.7	-1.8	-.5	3.8	12.7	24.0	30.8	33.4	23.9	20.0	16.0	34.8
-149		7 47	.1	.4	-1.4	-.5	-1.0	.8	4.5	12.9	23.3	30.5	35.2	26.4	23.9	20.6	29.5
-151		8 0	.6	.7	-1.1	.0	-.5	.9	4.2	11.3	19.2	24.3	31.7	28.4	26.3	23.7	29.5
-155		13 12	2.4	3.4	1.8	2.9	3.2	4.5	7.7	12.6	21.1	26.3					31.3
-156		13 21	1.9	2.8	1.3	2.8	1.4	4.4	7.4	12.0	19.8	25.7	31.9	32.6	35.4	33.5	29.5
-158		13 49	2.6	3.2	1.9	3.1	4.1	4.7	8.0	12.7	19.8	25.4	31.6	35.0	35.6	33.2	32.2
-159		13 51	3.0	3.7	2.5	3.8	4.6	5.3	8.6	13.2	20.8	25.5	32.5	33.4	34.5	32.9	30.8
-160		13 54	3.4	3.5	1.9	3.2	4.3	4.6	8.1	12.8	20.0	26.5					32.2
AA-103-164	17 SEP 80	7 5	10.3	11.4	10.8	12.5	14.5	15.9	18.9	22.6	26.6	31.2	35.0	37.6	39.6	38.1	30.0
-165		7 12	10.1	11.0	10.5	12.3	13.9	14.6	17.5	20.8	25.6	30.4	34.0	37.7	40.3	38.6	37.5
-166		7 20	9.8	10.9	10.4	12.2	14.2	15.3	18.0	21.6	25.9	31.9	34.9	37.9	39.8	38.2	32.2
-170		7 44	8.8	10.1	9.3	11.1	12.1	14.3	16.2	19.5	25.4	31.7	34.6	35.8	37.0	36.5	34.9
-171		7 47	6.9	7.3	6.0	7.2	7.5	9.1	10.8	13.4	17.4	22.3	25.3	29.0	32.6	31.8	32.2
-175		13 12	5.9	6.5	5.5	5.4	5.5	6.2	7.6	11.3	18.9	29.7	34.7	29.9	27.4	22.9	30.2
-176		13 22	5.3	5.6	3.7	3.8	4.2	4.9	6.7	11.3	18.1	23.8	29.7	25.7	21.5	16.9	29.5
-177		13 24	5.6	6.0	4.6	5.2	5.8	5.9	7.5	11.3	18.0	29.6	33.9	28.9	25.7	22.4	34.0
-178		13 28	6.1	5.9	4.8	5.4	5.5	5.7	7.5	11.0	17.0	29.8	34.2	29.8	26.6	22.9	32.6
-179		13 34	5.9	6.5	5.1	5.8	6.2	6.7	8.4	11.6	17.7	28.3	33.4	30.8	28.6	25.4	28.1
AA-103-188	19 SEP 80	7 1	.9	.3	-1.0	-.6	-.7	-.3	2.2	6.5	15.0	28.1	34.8	28.6	26.2	23.2	31.3
-189		7 3	.8	.4	-1.0	-.6	-.3	.5	2.7	7.1	16.8	28.2	33.6	28.1	25.9	23.1	31.8
-192		7 21	1.1	1.0	-.3	.1	-.1	.4	2.7	7.5	17.2	28.8	33.4	27.0	24.1	19.1	30.4
-193		7 23	1.3	1.0	-.5	.0	.0	.7	2.7	6.8	15.3	28.3	33.0	28.7	27.0	21.2	31.8
-194		7 25	.1	-.4	-1.9	-1.6	-1.9	-1.1	1.5	7.9	16.6	19.7	25.9	20.6	18.2	11.8	31.3
-205		8 2	.7	.2	-1.6	-1.4	-1.8	-.9	1.9	8.7	20.0	25.7	28.1	19.8	15.1	10.4	29.5
-206		8 14	.4	.0	-1.1	-.2	-.4	.6	2.8	7.6	16.4	27.5	33.0	27.1	23.1	17.4	32.7
-207		12 53	1.4	1.6	.3	1.1	1.7	2.5	4.6	7.7	12.4	17.1	19.8	24.0	28.1	27.8	30.4
-208		12 55	.9	.7	-.4	.6	.9	1.8	3.8	6.6	10.4	14.3	18.2	23.2	25.5	25.2	30.9
-209		12 57	1.2	1.1	.3	1.5	1.5	2.1	3.9	6.5	10.2	15.2	18.3	25.6	29.9	27.9	31.4
-210		12 59	.4	.3	-1.0	.4	1.1	2.2	4.3	7.5	12.6	17.4	21.0	25.5	28.2	26.3	29.6
AA-103-214	23 SEP 80	7 8	1.0	.5	-1.7	-1.3	-.8	.2	3.4	7.7	16.4	25.2	28.7	26.0	22.9	19.8	30.4
-215		7 10	.7	.1	-2.4	-2.3	-1.7	-.6	2.5	7.7	17.3	24.5	29.4	24.8	20.6	16.3	30.4
-216		7 12	-.8	.1	-1.8	-1.3	-1.1	-.2	2.2	6.5	15.0	25.3	28.4	25.0	22.4	18.0	31.8
-220		7 33	-.9	-.2	-1.9	-1.0	-.4	.7	3.8	8.7	17.0	25.7	30.5	28.2	25.2	21.6	27.3
-221		7 35	.3	-1.0	-2.8	-2.7	-2.2	-1.0	2.4	6.9	16.2	26.9	29.2	24.4	21.2	17.2	30.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE E32

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-145	16 SEP 80	7 19	1.9	4.6	3.0	3.2	6.5	5.1	9.1	9.3	10.1	8.5	10.3			8.1	6.6
-147		7 34	9.4	4.2	-.8	3.6	8.9	3.0	6.6	6.0	6.7	4.0	6.6			8.0	6.9
-149		7 47	15.1	10.2	3.7	-1.4	-1.0	2.9	3.1	3.4	1.2	.2	2.3			8.0	5.4
-151		8 0	21.4	21.3	18.4	15.8	14.4	11.6	10.7	10.0	7.8	6.9	9.1			9.7	15.3
-155		13 12		26.8	24.7	24.0	22.7	20.3								13.8	25.0
-156		13 21	31.3	31.1	30.6	29.4	28.2	25.8								13.1	26.2
-158		13 49	31.7	31.6	30.7	29.0	28.0	25.4								13.9	26.3
-159		13 51	30.8	29.8	28.3	26.8	26.0	22.9	23.2							14.7	25.9
-160		13 54				27.2	26.2	22.9								14.3	27.1
AA-103-164	17 SEP 80	7 5	36.7	35.2	33.9	32.7	31.4	28.5	28.4	29.3						24.4	32.7
-165		7 12	37.0	35.3	33.9	32.4	31.3	28.6	28.2	29.3						23.6	32.3
-166		7 20	36.4	34.5	33.0	31.6	30.6	28.0	27.4	28.7						23.7	31.9
-170		7 44	34.5	33.6	32.4	31.5	30.9	28.4	28.3	29.5						22.1	31.2
-171		7 47	30.6	28.7	27.3	26.7	26.1	23.6	23.0	24.0	22.6	21.0				16.1	24.6
-175		13 12	18.2	13.8	10.6	8.8	10.4	11.0	12.4	14.6	14.1	11.5				13.4	14.7
-176		13 22	12.8	10.2	7.7	6.7	7.2	7.1	8.5	11.0	11.2	10.2				11.8	11.2
-177		13 24	17.6	13.9	11.4	10.1	10.4	10.4	10.2	14.3	14.0	13.0				13.2	14.2
-178		13 28	18.8	15.9	13.1	11.0	10.5	10.4	11.7	13.7	14.2	12.6				13.1	15.1
-179		13 34	22.2	19.6	17.2	14.1	12.4	11.5	13.0	16.5		15.3				14.0	17.6
AA-103-188	19 SEP 80	7 1	17.8	12.6	7.7	5.0	4.9	5.0	8.3	9.6	11.4	8.9				8.2	10.8
-189		7 3	17.4	13.5	9.0	6.2	6.8	7.2	10.0	9.9	10.4	8.0				8.8	11.9
-192		7 21	13.1	8.7	3.7	-.6	-2.3	-.5	5.0	2.0	1.6	-1.5	-.5	-11.8		7.0	3.9
-193		7 23	13.3	7.6	2.5	-1.6	-2.1	1.1	3.7	2.2	2.3	-.5	1.9	-7.3		7.3	4.6
-194		7 25	7.0	5.3	2.0	-3.8	-1.7	-.3	1.3	1.1	1.9	-.9	-.8	-8.9		5.9	3.5
-205		8 2	5.1	1.4	-2.6	-4.5	.3	.3	-2.2	2.9	.1	-.3	.5			5.5	2.2
-206		8 14	10.3	4.8	-.2	-3.1	-.9	-2.0	-.5	2.6	4.6	4.5				7.4	4.4
-207		12 53	24.6	23.4	21.4	19.2	17.4	15.8	16.6	18.0	17.8					10.2	18.7
-208		12 55	23.2	21.1	19.1	18.2	17.1	14.2	14.3	15.5	15.3					9.2	17.2
-209		12 57	25.1	22.8	20.4	18.7	16.7	14.6	15.1	16.9	17.3					9.3	17.7
-210		12 59	24.8	23.2	22.0	20.8	19.2	17.1	17.7	19.2	19.1					9.9	19.2
AA-103-214	23 SEP 80	7 8	15.5	12.8	10.5	6.3	6.2	6.8	9.5	10.7	12.6	13.1				8.2	11.5
-215		7 10	11.7	8.2	5.5	2.4	3.9	4.6	3.5	6.8	6.2	5.8				7.0	7.7
-216		7 12	13.4	10.7	7.9	3.1	3.4	4.6	4.5	4.1	2.6	2.2				7.3	7.7
-220		7 33	17.6	15.1	13.0	8.7	7.9	6.5	9.4	9.3	7.6					8.8	12.1
-221		7 35	13.0	9.1	6.8	2.6	6.0	5.5	4.4	6.5	4.4					6.8	8.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

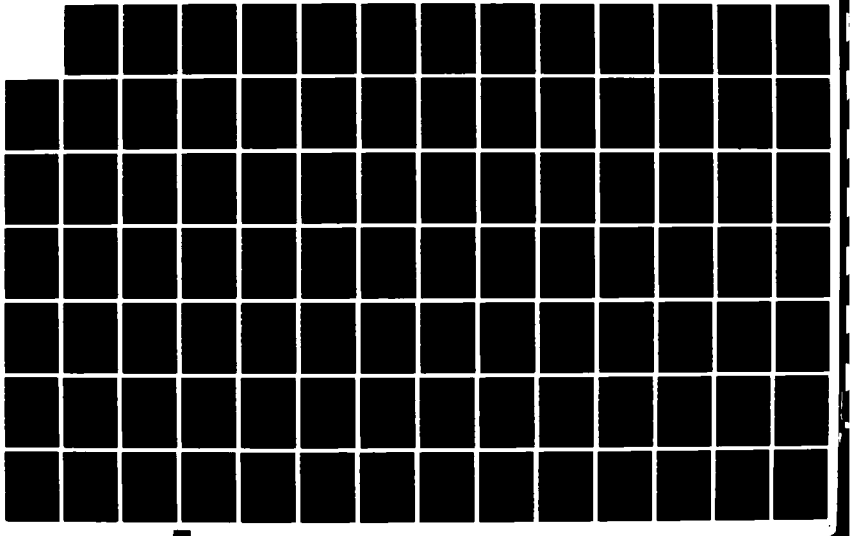
DATABASE:

DISTANCE 431 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-235	24 SEP 80	6 59	.7	1.5	.1	.8	.9	2.3	5.7	13.8	25.5	30.2	35.7	26.3	21.8	15.4	31.3
-236		7 1	1.7	1.1	-.4	-.2	-.1	1.2	4.9	13.0	23.3	31.4	32.4	22.9	18.9	10.9	30.4
-237		7 3	1.5	1.4	.0	.8	.8	1.7	5.4	12.7	24.8	30.3	35.1	28.1	24.9	18.4	31.8
-238		7 4	1.4	1.3	-.5	-.2	-.2	.6	3.8	10.7	22.1	30.8	33.3	25.7	19.7	11.7	31.3
-243		7 24	1.4	1.7	.1	.7	.8	2.1	5.6	12.9	26.5	30.7	34.5	27.5	25.8	19.9	31.3
-244		7 26	1.3	1.5	.0	.9	1.3	2.7	6.7	15.0	26.3	31.0	33.7	26.4	22.7	17.4	31.3
-245		7 27	.9	1.1	-.3	.9	1.0	2.2	5.5	13.3	26.7	32.9	33.4	23.7	18.0	11.5	32.2
-246		7 29	1.2	1.2	-.3	.6	.7	2.1	5.7	13.5	27.3	33.7	34.1	26.9	22.4	16.7	32.2
-247		7 31	1.0	.8	-.9	.2	.1	1.4	4.6	11.4	24.5	28.4	32.2	24.8	21.0	16.3	32.2
-248		7 32	.6	1.0	-.6	.3	.2	1.5	5.4	13.4	25.8	33.1	33.0	24.6	20.4	13.8	31.8
-257		15 0	1.1	1.8	.2	1.1	1.5	2.3	5.2	9.9	18.2	24.0	32.1	29.9	29.9	26.6	31.3
-258		15 1	1.9	2.4	.9	1.8	2.4	2.9	6.2	11.0	19.2	25.5	33.6	31.7	32.0	29.6	31.8
-259		15 3	1.1	1.6	.2	1.1	1.6	2.5	6.0	10.6	16.7	21.9	29.9	29.5	29.7	26.2	31.8
-260		15 4	1.6	2.1	.7	1.8	2.3	2.8	6.2	10.8	18.2	23.4	29.6	30.0	31.2	27.6	31.8
-261		15 6	1.7	2.4	1.0	1.8	2.5	2.9	6.1	10.1	16.1	20.9	26.7	29.5	30.2	26.6	31.8
AA-103-267	25 SEP 80	7 10	.6	.0	-1.5	-1.4	-1.5	-.5	3.1	10.6	21.4	29.2	35.7	28.2	25.6	18.9	31.7
-268		7 14	1.1	.2	-1.1	-.6	-1.0	.0	3.4	10.6	23.2	27.3	35.6	29.7	26.8	22.9	30.4
-269		7 17	1.1	.6	-.7	-.1	-.3	.9	3.9	10.1	23.1	27.5	34.8	30.4	29.4	25.4	32.2
-270		7 19	1.2	.9	-.5	-.1	-.1	.8	4.4	11.8	23.1	27.2	35.3	29.0	25.8	23.4	31.3
-271		7 22	1.0	1.0	-.1	.5	.6	1.5	4.9	11.6	21.6	26.3	36.8	32.5	32.6	30.3	31.8
-277		7 50	1.5	1.4	.1	.5	.4	1.5	5.4	12.9	24.5	30.1	36.6	30.4	29.0	25.8	22.8
-278		7 51	2.0	1.8	.4	.6	.9	1.6	5.3	12.7	23.7	29.0	37.0	29.9	27.6	23.3	30.9
AA-103-281	30 SEP 80	14 15	1.8	2.6	1.1	2.6	3.1	4.4	8.1	12.5	18.9	24.6	30.3	29.7	28.4	27.3	31.8
-282		14 17	1.6	2.5	.8	2.4	2.9	4.3	7.7	12.1	18.9	24.4	29.6	30.6	29.6	29.2	31.8
-283		14 19	1.2	2.1	.8	3.0	4.0	5.7	8.8	12.9	18.9	25.3	30.0	29.9	28.3	28.0	31.8
-284		14 21	1.7	2.4	1.1	2.8	3.1	4.7	8.1	12.4	18.5	23.9	28.8	28.2	27.5	26.1	31.8
-285		14 22	2.3	3.2	2.2	4.2	5.1	7.1	10.5	15.3	21.1	26.7	30.4	30.7	29.6	28.2	31.8
-291		14 44	2.3	2.9	2.1	3.7	4.7	5.6	9.6	14.2	21.0	27.3	31.9	31.9	31.1	30.9	32.2
-292		14 47	1.9	2.3	1.1	2.7	3.7	4.7	8.2	12.6	18.1	23.0	28.4	29.7	28.2	27.8	32.6
-293		14 48	1.1	1.8	.2	1.6	2.4	3.2	6.7	11.1	16.8	21.7	27.0	28.8	28.2	27.1	33.5
-294		14 50	.4	1.2	-.2	1.0	1.5	2.7	6.5	11.5	17.2	22.0	27.0	27.1	25.5	24.2	30.9
-295		14 53	1.0	1.8	.6	2.0	2.6	3.8	7.1	11.6	17.4	22.3	27.4	29.7	28.8	27.0	31.3

AD-A191 209 OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1 7/8
EXPERIMENTAL STUDY FOR..(U) HARRY G ARMSTRONG AEROSPACE
MEDICAL RESEARCH LAB WRIGHT-PATTE.. R G POWELL JUN 87
UNCLASSIFIED AAMRL-TR-84-017-VOL-1 F/G 20/1 NL



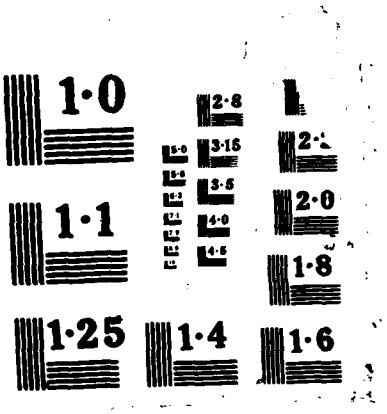

1·0
1·1
1·25
1·4
1·6
1·8
2·0
2·8
3·15
3·5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

PARAMETERS:
ALL DATA LISTED

DATABASE:

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

DISTANCE 431 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-235	24 SEP 80	6 59	10.1	6.0	4.0	2.5	1.7	7.0	3.7	6.8	4.1	3.1	2.4			9.6	7.4
-236		7 1	4.8	3.5	4.1	1.8	5.6	3.0	5.3	8.4	7.5	5.9				8.7	6.9
-237		7 3	13.4	8.9	7.0	5.6	8.2	7.7	7.3	11.4	8.0	6.7				10.2	11.1
-238		7 4	6.7	6.7	8.9	7.2	5.1	6.0	6.0	9.5	6.9					8.7	9.2
-243		7 24	13.6	8.7	4.5	4.0	6.1	8.6	7.6	10.8	7.0	5.3				9.9	9.5
-244		7 26	12.8	9.3	6.8	7.6	7.5	9.2	8.0	11.6	9.4					10.8	11.2
-245		7 27	5.4	1.5	.9	3.4	6.4	2.7	3.7	5.8	3.9	-.7				8.1	5.2
-246		7 29	11.1	7.3	3.7	3.7	6.2	2.7	7.3	8.7	7.8	6.7				9.8	8.9
-247		7 31	10.5	6.4	2.0	2.2	4.4	2.2	3.9	8.4	7.1	4.5				8.8	7.4
-248		7 32	8.1	5.1	5.7	5.5	8.1	3.5	5.7	8.3	6.7	3.0				9.2	8.4
-257		15 0	23.5	21.4	18.8	16.3	13.6	11.4	11.7	13.4	13.6					11.0	17.8
-258		15 1	26.1	23.8	20.8	18.0	14.3	10.9	11.5	14.1						12.2	19.1
-259		15 3	23.4	21.4	19.2	16.3	14.5	12.7	13.3	14.2						11.5	18.8
-260		15 4	24.6	22.4	20.1	18.2	15.8	13.4	14.0	15.3	14.3					12.1	19.2
-261		15 6	24.2	23.4	22.2	20.1	18.2	15.5	15.8	17.0	16.9					11.9	20.1
AA-103-267	25 SEP 80	7 10	9.6	2.7	-1.6	-1.4	.4	2.3	4.3	9.7	9.2	7.5				7.0	4.8
-268		7 14	16.7	10.1	4.7	2.2	2.0	1.9	7.5	8.9	9.1	9.0				8.4	8.3
-269		7 17	20.1	13.8	7.6	2.2	.2	.7	-1.3	6.9	7.4	3.2				8.5	7.2
-270		7 19	18.8	13.8	9.0	4.3	1.0	-1.0	.0	-.6	-1.2	-2.4	-1.2	-8.9		7.8	4.6
-271		7 22	25.3	22.6	17.5	14.4	12.5	10.2	9.6	10.7	10.3	8.4				10.7	15.5
-277		7 50	21.9	16.8	10.6	4.5	-.1	-3.2	-1.0	7.3	4.4	4.8				9.4	6.7
-278		7 51	16.5	11.9	6.9	1.4	-2.2	-4.5	-2.8	3.4	4.1	-.4	1.8	-6.3		8.2	4.2
AA-103-291	30 SEP 80	14 15	24.6	21.9	19.6	18.5	16.7	14.7	15.2	16.6	16.2	15.5				13.7	19.9
-292		14 17	26.9	24.5	22.5	21.1	19.5	17.1								13.4	22.9
-293		14 19	25.7	23.5	21.1	20.4	18.9	16.3								14.2	21.1
-294		14 21	23.9	21.8	19.5	18.2	16.7	14.0	14.1	15.1	14.5	14.8				13.7	19.6
-295		14 22	26.6	24.2	22.4	21.3	19.9	17.6	17.8	19.3	19.6					15.8	22.9
-291		14 44	28.9	26.9	24.7	23.8	22.3	19.8	20.1	21.7						15.1	24.5
-292		14 47	26.9	24.7	22.5	21.7	20.3	17.8	17.8	19.5						13.2	22.1
-293		14 48	24.9	22.2	19.7	18.2	16.4	14.0	14.4	15.7		16.2				12.6	19.7
-294		14 50	21.7	18.9	16.1	14.5	12.7	10.1	10.1	10.8	10.3	10.0				12.1	16.1
-295		14 53	25.5	22.2	19.7	18.7	17.0	14.6	14.9	15.9						13.0	20.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE D34

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-299	01 OCT 80	7 0	-.8	-.1	-2.2	-1.5	-.5	1.3	7.9	19.3	26.9	36.7	36.4	27.1	20.0	11.6	31.3
-300		7 2	-.8	-.4	-2.2	-1.6	-.6	1.1	7.7	19.0	26.7	37.0	34.8	25.2	19.8	11.9	32.2
-301		7 3	-.6	-.2	-2.0	-1.5	-.4	1.3	8.2	18.8	25.7	35.8	34.1	25.9	21.6	13.6	33.1
-302		7 5	-.3	-.1	-2.2	-1.6	-.6	.9	7.4	18.5	25.5	34.7	34.1	24.4	19.2	11.4	30.0
-303		7 7	-.3	-.6	-2.3	-1.8	-.8	.9	7.4	17.8	25.2	33.0	29.6	20.2	14.7	7.8	21.9
-309		7 32	.3	.8	-1.0	-.3	-.5	2.2	7.9	19.4	27.2	38.4	38.0	27.6	22.1	17.2	33.6
-310		7 33	.1	.9	-.9	-.1	.0	2.5	8.6	20.0	27.2	37.8	36.7	27.5	22.3	17.4	32.2
-311		7 35	.4	1.0	-.9	.0	.0	2.6	8.7	20.6	27.2	37.5	34.7	25.1	20.9	16.5	31.3
-312		7 36	.4	1.0	-.7	.1	.3	2.8	8.9	20.2	27.2	37.8	36.3	26.7	21.6	16.2	32.2
-313		7 38	.4	1.1	-.7	.2	.2	2.8	8.6	20.0	27.4	37.8	37.4	28.1	23.4	17.2	32.7
-319		7 59	.8	1.4	-.2	.8	1.0	2.8	8.3	18.0	24.6	33.0	35.0	27.6	24.0	18.8	35.4
-320		8 0	.9	1.7	-.2	.8	1.1	2.9	8.4	18.0	25.0	32.4	34.2	25.9	22.9	18.4	32.7
-321		8 1	.9	1.9	.1	.7	1.1	3.1	8.4	18.1	24.9	33.0	35.1	27.5	24.4	19.5	32.2
-322		8 3	1.1	1.7	.3	1.0	1.2	3.3	8.3	17.7	25.0	32.1	35.1	28.7	26.6	23.4	32.2
-323		8 8	1.3	2.1	.4	1.4	1.8	3.6	8.1	16.5	27.1	33.6	38.1	31.6	29.8	26.9	32.7
AA-105-330	16 DEC 80	7 29	.0	-.4	-1.7	-1.0	-.2	-1.8	.9	6.3	17.5	28.9	30.6	25.1	21.4	15.2	30.9
-331		7 31	-.6	-1.0	-2.6	-2.1	-1.8	-3.6	-.3	5.8	18.0	24.8	28.4	23.4	19.4	15.5	44.7
-332		7 34	-.1	-.4	-1.4	-.7	-.4	-2.0	.5	5.4	15.7	27.7	30.0	25.5	22.3	15.9	33.1
-333		7 36	.8	.7	-.4	.5	1.0	-.9	1.2	5.1	13.6	27.5	30.8	26.2	23.3	18.4	34.4
-334		7 39	-.3	-.1	-1.8	-.9	-.1	-1.4	1.2	5.5	14.5	25.5	27.7	23.6	22.4	19.0	34.4
-335		7 41	.3	.6	-.5	.2	1.0	-.2	2.1	6.5	15.1	26.2	29.5	24.2	22.0	18.0	33.5
AA-105-342	17 DEC 80	8 2	-.2	-.7	-2.1	-1.6	-1.0	-2.6	.7	9.4	24.0	35.4	34.7	25.7	22.3	18.2	34.4
-343		8 8	-.1	-.5	-2.0	-1.2	-.5	-2.2	1.2	9.1	23.9	34.6	35.7	29.7	26.7	24.0	35.3
-344		8 10	-.2	-.4	-1.9	-1.3	-.6	-2.3	1.2	8.9	24.4	35.1	37.6	31.4	25.5	20.6	36.2
-345		8 12	-.6	-.6	-1.8	-1.3	-.6	-2.3	1.3	9.4	25.0	35.7	37.1	32.6	26.9	20.0	34.4
-346		8 14	.0	-.3	-1.6	-1.2	-.4	-2.4	1.1	9.3	24.8	36.9	36.6	28.1	23.2	18.4	34.0
-354		13 13	2.4	2.2	1.5	3.4	5.3	4.6	7.5	11.1	16.2	22.1	25.4	28.4	30.0	28.3	49.1
-355		13 17	3.3	3.0	2.2	3.7	5.1	3.9	6.5	9.8	14.5	20.1	23.8	27.0	28.6	28.2	34.4
-356		13 18	2.5	2.3	1.3	2.8	4.8	4.4	7.2	10.5	15.8	21.0	24.0	27.3	28.2	27.1	33.9
-357		13 20	1.6	1.4	.4	2.2	4.0	3.1	5.8	9.4	14.8	21.2	25.1	27.6	29.5	28.6	33.9
-358		13 22	4.1	5.0	4.2	6.6	9.5	9.1	12.2	16.0	21.3	27.7	30.2	31.3	32.9	31.5	34.4
-359		13 23	3.0	2.5	1.9	3.7	5.8	5.7	8.6	12.4	17.6	23.0	25.9	27.9	30.0	28.4	34.0
AA-105-367	08 JAN 81	10 30	-2.3	-3.6	-2.8	1.6	13.9	22.3	25.8	29.0	30.7	27.0	21.7	17.1	15.6	14.3	35.3
-368		10 31	-2.1	-3.2	-2.3	1.9	14.1	24.5	25.2	27.8	27.0	24.7	19.5	14.4	12.7	10.3	36.2
-369		10 34	-1.6	-2.9	-2.0	2.1	12.9	22.4	25.9	31.0	33.3	30.6	26.5	23.2	22.7	18.6	34.4
-370		10 35	-2.0	-2.9	-2.3	1.8	12.5	26.2		30.1	29.8	27.7	22.2	14.1	11.6	7.9	35.3
-371		10 37	-.9	-1.7	-.8	3.5	14.5	23.7	26.7	31.2	34.6	31.8	27.8	20.7	18.8	14.9	35.2
-372		10 39	-1.7	-2.8	-1.9	2.5	13.0	22.8	25.3	28.7	30.3	28.1	23.2	19.2	16.1	14.0	34.4
-373		10 41	-1.4	-2.6	-1.8	2.1	12.8	23.1	26.5	31.6	34.5	30.0	24.7	20.3	17.9	15.8	35.3
-374		10 43	-1.3	-2.3	-1.6	2.6	13.0				32.6	30.2	27.0	21.8	20.1	17.1	34.4
-375		10 45	-1.7	-2.9	-1.8	2.5	13.2	21.3	23.8	28.2	30.6	27.7	22.0	16.8	15.0	14.1	35.8
-376		10 46	-2.2	-3.2	-2.4	2.1	13.4	22.8	25.3	30.0	31.9	29.2	2[illegible].2	19.4	16.3	13.1	36.2
-377		10 48	-2.3	-3.0	-2.2	2.5	13.2	23.2	25.5	28.5	30.0	28.2	25.2	21.7	19.0	17.0	35.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE E34

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-299	01 OCT 80	7 0	3.3	2.4	4.9	9.6	9.3	9.1	9.6	12.7	10.2	8.0				9.7	8.7
-300		7 2	3.1	.0	4.0	8.6	6.0	7.6	10.5	10.7	8.8	8.7				9.4	7.7
-301		7 3	3.5	.0	3.0	10.7	10.0	9.7	14.0	13.7	12.0	12.1				9.9	8.6
-302		7 5	2.8	.5	1.4	7.9	9.6	8.4	13.8	12.5	11.7	12.0				9.1	7.6
-303		7 7	.7	-.1	-.1	4.1	8.1	4.2	8.9	8.4	7.0	6.6	7.1			7.8	5.4
-309		7 32	9.5	4.0	1.1	5.2	9.2	8.2	7.4	11.6	7.2	5.5	5.8			9.7	8.2
-310		7 33	10.2	4.4	-.3	1.6	6.6	8.0	6.4	10.4	4.9	4.3	5.1			9.7	7.1
-311		7 35	9.6	3.5	-1.8	.2	5.7	9.7	7.2	10.2	6.2	6.3	7.7			9.6	6.8
-312		7 36	8.2	1.3	-3.2	.6	7.6	10.4	7.8	12.4	9.6	8.4	10.3			9.3	6.3
-313		7 38	8.1	1.3	-2.6	1.7	7.9	11.3	6.9	11.9	9.3	8.7	10.2			9.5	6.7
-319		7 59	13.1	7.7	1.7	-2.1	-2.2	-.6	3.2	8.0	4.4	4.3	4.5			9.3	5.0
-320		8 0	12.9	8.1	2.1	-2.3	-3.4	-2.8	1.3	7.0	3.7	2.1	2.8	-4.2		8.6	3.8
-321		8 1	14.3	9.2	2.8	-2.3	-4.1	-3.5	1.9	7.3	4.1	3.2	4.5	-2.4		8.6	3.8
-322		8 3	18.0	13.2	6.9	2.0	-1.3	-3.0	-.9	6.2	6.3	4.1	5.0			9.8	5.6
-323		8 8	22.5	18.0	12.7	8.3	6.0	4.1	4.3	6.8	8.4	6.4	8.2			11.9	11.0
AA-105-330	16 DEC 80	7 29	9.3	5.0	4.7	6.2	6.3	6.5	6.3	8.0	7.5					7.2	9.0
-331		7 31	10.6	6.7	6.4	7.5	6.7	5.1	3.6	6.0	4.7					6.2	9.0
-332		7 34	8.6	3.2	1.6	3.4	4.2	3.2	1.4	4.0	.6					6.3	6.2
-333		7 36	13.0	7.9	4.3	2.9	2.5	3.7	2.0	2.2	3.7					7.1	7.4
-334		7 39	14.7	11.2	9.2	5.9	3.5	3.4	4.2	6.0	5.4					7.1	9.4
-335		7 41	13.0	8.5	6.6	6.7	5.7	4.6	4.1	6.6	5.0					8.2	9.4
AA-105-342	17 DEC 80	8 2	10.5	2.4	-2.7	-3.3	.7	-2.0	-5.1	-4.5	-6.2	-8.3	-9.5			4.2	-.2
-343		8 8	17.7	8.8	.6	-2.6	1.1	6.8	.8	2.7	-.2	-2.0				6.9	5.2
-344		8 10	14.0	5.8	-1.4	-2.3	4.2	6.4	2.6	1.4	1.0	-1.2				6.8	5.3
-345		8 12	11.7	3.3	-1.9	2.2	8.1	5.4	1.3	4.1	2.3	-1.6				7.1	5.9
-346		8 14	10.7	2.2	-2.7	2.8	6.6	-.3	-.6	3.6	1.3	-.3				6.7	4.6
-354		13 13	25.9	24.1	23.7	23.1	21.1	19.0	18.6	19.4						13.8	22.4
-355		13 17	26.0	24.3	24.2	24.0	22.9	20.5	19.7	20.4						12.8	22.3
-356		13 18	24.8	23.0	23.3	22.6	21.1	18.6	18.1	18.7						13.4	21.8
-357		13 20	26.1	24.3	23.9	23.8	22.3	20.0	19.5	20.4						12.4	22.3
-358		13 22	29.2	27.4	27.4	26.9	25.7	23.4	23.6							18.0	27.0
-359		13 23	26.4	24.9	24.4	24.1	22.8	20.5	20.0	20.9						14.5	23.3
AA-105-367	08 JAN 81	10 30	9.5	6.5	3.3	.1	-3.6	-3.6	.5	.9	2.3	4.9	6.8	2.5		7.4	2.6
-368		10 31	6.9	4.8	1.5	-1.3	-4.0	-3.8	-.7	2.1	3.2	1.7	4.9	-.3	-.2	7.0	1.8
-369		10 34	11.9	9.9	7.0	2.8	.0	3.0	5.7	5.2	10.5	10.2				10.4	6.9
-370		10 35	2.6	-.9	-3.0	-2.6	.4	-.1	-1.4	1.9	3.6	3.0	5.2	-1.6		5.7	.7
-371		10 37	8.5	4.7	1.8	.3	-.5	2.7	3.4	-.2	5.5	2.5	5.6			8.9	4.1
-372		10 39	10.0	8.5	6.2	3.8	.1	.5	4.7	4.2	6.0	7.4	7.8			9.8	6.1
-373		10 41	8.1	3.7	.5	-1.1	-.2	4.1	3.6	1.6	7.7	6.4	8.0			8.0	3.4
-374		10 43	9.6	5.9	2.9	1.5	2.8	6.3	7.8	5.9	10.6	8.3				9.9	6.1
-375		10 45	11.6	8.9	5.7	2.9	.2	1.7	6.4	5.0	7.2	8.8				9.8	6.3
-376		10 46	7.3	4.3	2.0	.5	.5	3.1	1.3	4.1	5.5	6.5	8.6	2.6		8.5	4.2
-377		10 48	13.5	9.9	6.5	3.2	-.8	-.5	1.0	1.5	3.7	5.4	5.3	-.8		9.5	5.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE D35

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-378	09 JAN 81	8 48	-4.2	-4.7	-4.0	.7	12.3	18.7	23.6	23.0	26.0	24.7	19.6	16.8	14.6	12.6	35.3
-379		8 50	-3.9	-4.7	-4.4	1.2	13.7	15.4	19.7	22.7	23.2	20.9	18.5	16.8	15.9	14.9	35.3
-380		8 51	-3.5	-4.4	-3.8	1.4	14.2	16.6	20.6	24.2	27.4	22.7	17.4	14.4	11.7	10.2	36.6
-381		8 52	-3.5	-4.1	-3.5	1.2	13.2	18.1	23.8	31.4	28.3	25.6	20.2	18.6	15.7	13.5	35.8
-382		8 57	-3.5	-3.7	-3.3	1.5	13.8	18.5	22.9	25.5	26.6	23.6	19.0	17.8	16.5	14.7	35.3
-383		8 58	-3.4	-3.8	-3.3	1.6	12.9	18.4	23.0	27.0	25.5	24.9	21.0	15.6	13.5	12.1	36.2
-384		8 59	-3.0	-3.3	-2.7	1.8	13.3	19.6	23.8	25.9	26.9	27.1	22.6	19.9	17.4	14.9	37.5
-385		9 1	-3.0	-3.4	-3.1	1.7	12.2	22.2	26.7	26.2	25.1	20.7	16.5	13.2	13.8	12.8	35.3
-386		9 2	-3.2	-3.6	-3.3	1.4	11.7	21.4	25.0	26.7	26.0	23.2	17.9	14.6	11.5	8.3	37.5
-387		9 3	-3.1	-3.7	-3.0	1.4	11.8	21.7	25.3	26.9	27.1	24.7	20.4	17.2	14.5	12.3	40.2
-388		14 9	-3.4	-2.9	-2.9	.7	10.1	23.3	26.9	32.4	33.8	32.0	26.3	21.9	18.7	17.0	38.8
-389		14 12	-2.6	-2.3	-1.9	1.8	11.4	23.7	27.8	31.5	31.6	30.7	24.6	22.1	20.3	18.8	36.2
-390		14 14	-3.4	-2.8	-2.7	1.1	10.3	22.3	24.9	28.9	30.2	30.7	25.3	22.3	21.7	19.6	31.7
AA-105-399	13 JAN 81	8 7	-2.4	-1.7	-1.3	2.1	11.8	25.4	23.9	27.1	31.7	32.7	30.3	29.4	28.7	27.5	35.8
-400		8 11	-2.4	-1.7	-1.1	1.8	11.4	23.9	25.0	27.0	32.0	32.6	28.6	28.8	28.2	25.5	36.2
-401		8 13	-2.1	-1.5	-1.2	1.8	11.5	24.4	24.4	26.7	31.5	32.7	30.0	29.3	28.7	26.6	35.3
-402		8 14	-2.5	-1.5	-1.0	2.2	11.5	25.0	25.1	28.1	32.6	33.6	30.3	28.8	27.5	26.6	34.4
-407		8 35	-2.8	-1.4	-1.0	2.6	10.8	25.1	26.0	28.7	33.8	36.4	32.0	31.3	30.6	28.8	34.5
-408		8 37	-3.0	-1.6	-1.1	2.5	11.0	25.8	24.3	27.2	31.3	33.5	30.4	29.1	28.4	26.7	34.5
-409		8 38	-3.1	-1.8	-1.4	2.3	10.7	25.3	23.8	25.8	29.6	31.8	28.9	28.7	28.2	26.8	35.4
-413		13 7	-.8	-.9	-.4	2.7	11.1	23.9	26.8	29.0	32.2	34.4	32.0	30.6	29.7	26.9	38.5
-414		13 11	-.9	-.9	-.6	2.7	10.6	24.5	27.4	28.5	33.0	34.9	32.4	31.0	30.5	28.4	36.3
-415		13 14	-.8	-.7	-.3	2.9	10.8	24.2	27.4	29.5	35.0	37.1	33.8	31.1	29.4	27.7	35.4
-416		13 16	-1.0	-.7	-.3	2.9	10.5	24.3	26.4	28.6	32.8	34.9	32.7	31.0	30.9	28.4	35.9
-417		13 18	-1.1	-.9	-.5	2.8	10.6	25.6	26.2	28.8	34.2	36.1	32.5	30.4	29.8	27.7	35.4
AA-105-424	15 JAN 81	8 19	-1.3	-1.8	-1.8	1.1	8.3	22.3	29.9	32.0	31.3	30.4	24.9	22.1	20.4	17.5	34.4
-425		8 21	-.6	-1.3	-1.3	1.4	8.9	22.6	26.4	28.2	28.2	27.4	22.3	17.7	16.3	13.8	35.3
-426		8 22	-.6	-1.1	-1.0	1.8	9.2	22.1	27.7	31.9	32.4	29.3	24.7	20.8	19.6	16.6	35.3
-427		8 23	-.3	-1.0	-.6	2.3	9.3	22.9	31.7	33.2	33.2	30.1	24.8	21.1	20.6	17.8	35.3
-428		8 25	.0	-.8	-.8	1.8	9.1	22.9	30.0	31.7	30.7	28.4	23.0	18.5	17.1	13.9	34.4
AA-105-434	03 FEB 81	9 16	2.6	2.6	3.1	2.9	5.8	7.2	13.2	18.1	24.3	30.9	30.2	26.9	24.8	24.0	40.6
-435		9 26	3.2	3.2	3.0	2.8	5.5	6.6	13.2	17.5	23.6	30.8	31.2	26.6	25.1	22.9	37.1
-436		9 28	2.9	3.2	3.7	3.4	6.5	8.0	13.9	18.1	24.6	30.9	30.4	27.1	25.4	24.1	34.4
-437		9 29	.6	.3	.6	.6	3.7	4.4	10.6	15.4	21.3	26.6	26.8	22.8	20.6	18.9	35.3
AA-105-441	04 FEB 81	8 22	.7	.4	.1	.0	2.0	4.5	12.8	19.8	26.6	32.3	29.1	23.7	22.0	20.7	36.2
-442		8 23	1.2	.5	.2	.0	1.8	4.1	11.7	17.6	24.7	31.6	30.6	24.9	23.5	22.3	35.3
-443		8 27	.8	.0	-.5	-.4	1.5	4.1	12.0	17.7	24.6	29.8	28.6	24.0	21.5	20.3	33.1
-444		8 28	1.1	.6	.2	.3	2.4	4.6	11.8	17.5	24.5	30.4	28.9	24.3	22.0	21.0	39.3
-445		8 30	1.3	.7	.3	-.1	2.0	4.4	11.2	17.0	25.1	30.2	28.4	23.6	21.1	20.3	37.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE E35

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-378	09 JAN 81	8 48	10.3	9.5	8.5	7.6	5.6	3.4	1.1	-.2	-.4	.1	2.8	-.9	1.7	7.8	6.9
-379		8 50	11.0	9.1	8.0	7.2	5.3	2.6	.6	-.7	-.6	-1.5	.1	-4.5	.6	7.5	6.3
-380		8 51	7.5	8.7	7.6	6.5	4.7	4.2	3.1	1.8	1.7	.4	1.9	-3.6	-1.3	7.6	6.5
-381		8 52	10.2	9.8	8.7	7.6	4.4	2.1	.3	-1.2	-1.6	-1.5	-.5	-6.9	-3.5	7.6	5.7
-382		8 57	11.0	9.2	8.7	8.9	7.0	4.5	1.5	.0	.0	-.7	1.4	-3.5		8.1	7.3
-383		8 58	10.1	10.0	9.4	8.8	6.6	4.7	2.7	1.8	1.7	1.4	3.0	-3.2		7.8	7.9
-384		8 59	11.1	11.3	10.5	9.2	6.9	5.7	5.2	4.6	4.9	5.3	6.8			9.0	10.0
-385		9 1	9.2	8.4	7.5	8.2	5.8	4.1	2.4	1.6	2.0	2.3	3.3	-2.4		7.6	7.3
-386		9 2	5.1	3.6	2.3	1.1	-.9	-2.3	-3.0	-2.7	-.9	-.2	1.6			5.8	2.9
-387		9 3	7.8	6.2	5.0	4.1	1.4	-.7	-2.0	-1.6	-.2	1.0	2.6	-3.3		7.1	4.6
-388		14 9	15.1	14.5	14.1	14.6	11.8	9.4								11.9	15.2
-389		14 12	16.4	15.8	16.2	16.9	14.1	11.0								12.9	17.1
-390		14 14	17.3	16.7	16.2	17.4	15.5	12.7								12.8	17.9
AA-105-399	13 JAN 81	8 7	24.7	25.0	24.4	24.0	20.8	18.0	17.0	16.7						16.2	23.1
-400		8 11	22.9	23.6	22.9	22.6	19.8	17.2	16.1	15.8						16.1	21.9
-401		8 13	24.5	24.9	24.3	24.0	20.6	17.8	16.9	17.2						16.4	23.0
-402		8 14	25.1	24.8	24.4	24.2	21.0	18.0	17.7	17.9						16.3	23.3
-407		8 35	26.0	26.3	25.5	25.7	22.7	19.8	19.8							15.9	25.4
-408		8 37	24.4	24.7	23.8	24.3	21.2	18.2	17.1	17.0						15.7	23.0
-409		8 38	24.1	24.2	23.7	24.2	21.5	18.6	17.7	17.6						15.2	23.1
-413		13 7	24.9	25.8	24.7	24.7	22.4	20.3	18.8	17.5						16.6	24.0
-414		13 11	26.4	27.4	27.0	26.8	24.6	22.0	20.6	17.5						16.5	25.6
-415		13 14	25.3	26.8	26.4	26.6	24.5	22.4	21.4	18.7						16.5	25.6
-416		13 16	26.7	26.6	26.1	26.0	23.9	21.9	20.1	18.2						16.6	25.2
-417		13 18	25.8	26.0	25.7	25.5	23.1	20.7	18.9							16.3	25.3
AA-105-424	15 JAN 81	8 19	14.3	13.3	13.1	13.3	10.6	7.2	5.4	5.4						12.6	12.7
-425		8 21	10.4	9.6	9.4	9.8	7.3	3.4	1.0	.1	-.4					11.1	8.0
-426		8 22	13.4	11.8	11.3	11.1	7.7	4.5	3.4	2.5	.9					12.5	9.5
-427		8 23	13.4	12.3	11.4	11.4	9.2	5.4	3.2	2.6	.0					12.6	10.0
-428		8 25	9.3	7.9	7.2	6.1	2.5	-1.2	-4.3	-6.8	-10.0	-14.9				6.2	.0
AA-105-434	03 FEB 81	9 16	21.8	22.4	23.2	24.7	24.1	23.0	23.8	24.2						15.6	23.7
-435		9 26	21.3	22.2	22.7	23.9	23.1	22.4	23.4	23.7						15.2	23.2
-436		9 28	22.7	23.4	24.0	25.0	24.6	23.9	25.0	25.0						16.1	24.3
-437		9 29	17.0	17.4	18.0	19.1	18.3	17.4	18.0	18.1	17.7					12.2	18.7
AA-105-441	04 FEB 81	8 22	19.7	20.2	20.2	21.0	20.0	19.3	20.5	20.8						11.9	20.8
-442		8 23	20.7	21.0	21.1	21.5	20.6	20.3	21.5	22.4						11.9	21.6
-443		8 27	17.6	18.0	17.9	18.0	17.4	16.4	17.4	18.4						12.0	18.9
-444		8 28	18.9	19.1	18.9	19.7	19.1	18.3	19.1	19.1						12.6	20.1
-445		8 30	19.1	18.4	17.6	18.5	16.6	16.4	16.7	17.4						12.4	18.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE D36

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-450	12 FEB 81	13 10	.2	-.1	-.9	-.8	.6	1.6	9.8	20.6	24.9	30.9	29.8	26.1	24.4	22.5	35.8
-451		13 12	-.4	-.8	-1.3	-1.1	.4	1.2	9.3	18.5	23.0	28.9	30.2	26.7	25.3	23.6	37.1
-452		13 29	.2	-.1	-.8	-.9	.9	1.7	9.9	19.2	24.1	32.1					27.3
-453		13 32	.0	-.1	-.7	-.5	1.2	1.6	9.6	19.7	24.9	32.3	33.4	30.4	29.2	28.1	34.9
-454		13 48	.6	.4	-.1	.1	1.7	2.6	9.6	19.5	25.1	32.4	34.1	30.3	28.4	26.7	39.4
AA-105-469	25 FEB 81	12 59	1.7	1.6	1.0	1.6	2.4	2.8	4.3	5.9	10.3	16.0	18.7	21.3	23.9	23.8	34.8
-470		13 1	.6	.1	-.9	-.5	.0	.1	2.1	4.2	8.6	14.9	17.0	19.4	20.0	18.0	34.8
-471		13 2	1.1	.6	-.3	.5	.8	.7	2.9	5.2	9.8	16.6	18.9	21.3	23.1	21.7	33.1
-472		13 4	.2	-.2	-1.2	-.8	-.3	-.3	1.9	4.1	9.0	15.5	17.4	19.4	20.4	18.0	33.9
-473		13 5	2.0	2.0	1.3	2.3	3.0	2.7	4.2	6.2	11.0	18.0	22.2	23.1	25.3	24.2	35.3
AA-105-479	27 FEB 81	7 15	-.5	-2.1	-3.1	-3.8	-3.3	-5.4	-.6	7.6	21.0	32.0	30.1	21.1	13.8	6.2	34.4
-480		7 17	-.8	-2.1	-3.5	-3.9	-3.6	-5.5	-.4	8.2	19.2	31.6	28.2	18.4	11.2	5.6	34.4
-481		7 18	-.5	-2.2	-3.3	-4.2	-3.7	-5.6	-.4	8.0	19.1	32.7	29.4	18.9	10.9	5.2	35.3
-482		7 20	-.6	-1.9	-3.1	-3.8	-3.4	-5.3	-.3	8.2	19.3	33.6	31.3	21.9	13.0	6.1	35.3
-483		7 21	-1.1	-2.1	-3.4	-4.0	-3.6	-5.4	-.3	8.2	19.6	33.3	30.4	20.2	12.1	5.7	33.0
-489		7 43	-.8	-2.2	-3.4	-4.1	-3.7	-5.2	-.1	7.8	19.7	28.9	23.9	13.8	7.5	5.1	34.8
-490		7 45	-.9	-2.2	-3.4	-4.0	-3.7	-5.3	-.2	8.2	19.7	28.1	22.5	13.0	6.6	4.2	35.7
ESA STATISTICS:																	
MINIMUM			-6.2	-5.1	-5.1	-4.2	-3.7	-5.6	-4.5	-4.6	-3.5	-1.5	-.2	7.7	6.6	4.2	18.8
MAXIMUM			13.2	13.0	13.0	13.2	14.9	26.2	31.7	33.2	35.0	38.4	38.1	37.9	40.3	38.6	49.1
AVERAGE			.9	.8	.0	1.3	3.8	6.2	9.8	14.8	21.1	26.6	28.2	25.5	23.7	20.8	33.0
STANDARD DEVIATION			2.6	2.9	2.8	2.9	5.1	8.6	8.6	8.3	7.5	7.1	6.6	5.2	6.0	6.8	3.8
NUMBER OF DATA POINTS			225	226	226	225	225	223	222	223	224	225	222	220	221	221	226

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 431 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 431 M

DATE 02 FEB 87
PAGE E36

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-450	12 FEB 81	13 10	19.8	20.6	20.4	21.3	20.2	19.8	20.2	20.0	20.5	19.2				10.9	20.9
-451		13 12	21.7	21.3	20.7	21.5	19.9	19.0	18.8	18.2						10.6	21.1
-452		13 29		24.6	22.9	24.4	23.1	21.9								11.1	24.7
-453		13 32	25.2	25.8	25.4	25.9	24.4	23.8	24.2	23.9						11.4	24.5
-454		13 48	24.0	23.9	23.5	24.0	22.3	21.1	21.4	21.0						11.8	23.3
AA-105-469	25 FEB 81	12 59	19.6	17.3	16.1	15.7	12.6	10.6	10.6	10.1						9.6	15.6
-470		13 1	14.2	12.5	11.5	10.1	7.9	5.6	4.6	4.9	3.6					7.1	10.6
-471		13 2	17.7	15.9	14.7	13.2	10.1	7.8	7.1	7.5						8.4	13.6
-472		13 4	13.6	11.8	10.4	9.2	6.8	4.7	3.8	3.6	2.8					6.8	9.8
-473		13 5	21.1	19.3	18.5	17.5	14.5	12.5	12.4	12.7						10.1	17.1
AA-105-479	27 FEB 81	7 15	3.5	1.4	1.8	4.5	3.0	.2	1.0	.4	.8	-1.3				5.6	4.4
-480		7 17	5.2	1.3	2.3	4.0	.9	.6	-.4	.1	-.1	-2.8				5.5	4.1
-481		7 18	4.4	2.1	3.4	5.2	1.7	2.5	1.2	1.4	1.6	-.6				5.7	4.9
-482		7 20	5.2	3.5	4.4	6.1	3.5	4.4	3.1	4.6	5.2					6.2	6.7
-483		7 21	5.6	3.1	2.6	5.8	3.2	2.4	2.2	1.8	1.8	-.9				6.0	5.6
-489		7 43	2.7	-2.0	-.8	-1.4	-2.0	-3.4	-3.9	-4.1	-4.6	-6.1	-10.0			3.7	.4
-490		7 45	2.6	-3.0	-1.6	-2.0	-3.0	-3.5	-5.0	-5.1	-5.5	-7.6	-10.5			3.4	-.2
ESA STATISTICS:																	
MINIMUM			.7	-3.0	-3.2	-4.5	-4.8	-5.4	-5.9	-6.8	-10.0	-14.9	-12.2	-11.8	-3.5	-2.3	-2.7
MAXIMUM			37.0	35.3	33.9	32.7	31.4	28.6	28.4	29.5	22.6	21.0	12.2	5.5	1.7	27.7	32.7
AVERAGE			17.1	14.8	12.8	12.0	11.3	10.1	9.6	10.2	6.4	4.4	3.1	-3.3	-.5	10.5	13.6
STANDARD DEVIATION			7.9	9.0	9.7	9.9	9.3	8.5	8.4	8.0	6.2	5.9	5.3	4.3	2.0	4.4	8.1
NUMBER OF DATA POINTS			221	224	223	222	223	221	193	186	134	104	55	26	5	226	226

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 18.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D37

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-052	05 FEB 80	13 37	-2.7	-2.4	-2.5	-1.8	.4	-.3	6.7	6.6	7.9	17.4	29.3	28.4	23.6	18.3	26.8
AA-101-054	13 FEB 80	11 26	-1.7	-.6	-.9	-.9	2.0	4.0	16.5	27.8	32.9	34.2	32.6	28.5	28.2	28.8	32.6
-055		11 53	-.4	.7	1.3	.7	4.4	6.5	18.1	28.5	33.7	36.4	34.1	31.2	29.8	30.6	29.5
-056		12 4	.5	1.3	1.8	2.6	5.3	7.2	18.1	30.3	33.7	35.2	34.2	31.2	30.2	31.5	30.0
AA-101-065	20 FEB 80	11 19	.7	1.3	1.5	2.3	3.9	2.2	4.9	7.1	11.1	13.1	14.4	19.8	28.8	36.7	30.0
AA-102-067		13 11	.8	-1.1	-1.5	-1.8	-1.8	-2.7	-2.2	-1.0	3.3	7.4	8.8	16.4	26.7	27.1	27.3
AA-101-069	21 FEB 80	14 13	-2.7	-1.2	-1.2	-1.5	-2.7	-3.1	-3.9	-3.6	-.9	6.6	16.7	22.5	27.2	19.7	26.8
AA-102-070		14 33	2.8	3.9	6.0	8.1	9.0	12.0	14.3	19.8	20.5	26.4	28.9	27.2	24.8	27.0	29.0
AA-102-071	22 FEB 80	14 48	-3.2	-4.9	-5.2	-5.9	-6.7	-5.8	-3.8	1.6	9.9	18.2	23.1	14.8	7.5	1.6	17.4
-072		14 53	-3.1	-6.4	-6.2	-7.2	-9.6	-7.4	-6.4	-1.1	5.2	19.2	23.7	15.3	5.9	.4	31.7
AA-101-073	27 FEB 80	11 57	6.3	3.4	1.0	1.9	6.9	12.9	20.2	27.7	29.4	31.2	26.9	23.2	20.1	17.9	20.5
AA-101-074	01 APR 80	11 3	3.0	3.1	3.7	4.6	8.3	7.3	11.0	14.0	17.8	27.0	34.9	35.8	34.9	33.6	36.2
-075		11 22	1.9	2.3	2.2	1.6	3.6	1.9	3.7	6.7	9.9	20.0	31.5	32.5	32.3	29.2	31.3
AA-101-076	03 APR 80	11 17	1.0	.8	.6	-.8	2.3	.8	3.2	6.2	11.0	22.3	28.2	27.2	26.4	23.6	28.2
-077		14 12	-.3	-.9	-2.2	-2.7	-1.6	-3.6	.0	5.6	12.7	22.8	29.8	25.6	22.8	16.6	38.9
AA-101-080	10 APR 80	9 39	2.0	2.4	2.1	4.1	6.0	6.6	7.4	9.8	11.7	19.0	22.2	23.5	22.4	21.6	17.5
-081		10 47	3.2	4.3	4.9	6.3	9.8	10.4	11.6	13.5	16.4	20.6	20.5	19.6	19.1	18.4	29.9
-082		11 47	4.1	4.9	6.7	9.4	14.2	16.7	20.4	22.1	21.9	24.7	27.4	25.0	24.4	22.7	29.5
-083		12 3	-.7	-.6	-.6	.7	2.7	3.3	5.5	9.1	10.8	16.3	18.7	18.1	17.1	16.9	29.2
AA-101-087	11 APR 80	10 51	1.4	2.3	2.1	3.7	5.6	4.7	7.1	10.4	13.4	20.5	27.8	28.5	27.6	25.3	28.2
AA-101-088	16 APR 80	10 4	2.1	3.0	2.4	1.5	3.0	3.6	5.6	9.2	13.0	22.0	28.7	30.4	27.4	23.0	28.6
AA-101-089	17 APR 80	11 23	2.7	2.8	2.7	3.8	6.2	4.6	7.7	11.0	14.6	23.1	30.4	28.2	27.6	26.4	29.5
AA-101-090	18 APR 80	11 6	1.6	2.1	1.6	1.9	3.1	1.5	3.8	6.8	10.7	21.5	26.2	26.4	25.6	24.5	30.9
AA-101-092	22 APR 80	11 2	7.1	10.1	12.6	16.8	20.6	23.1	24.0	26.8	28.2	30.6	31.8	29.9	28.7	26.7	30.4
AA-102-093		14 10	-.4	-2.1	-3.3	-4.2	-3.2	-3.1	2.1	10.1	18.2	22.3	21.7	10.7	2.3	-3.0	26.4
AA-101-096	08 MAY 80	10 26	-2.3	-1.5	-.2	.6	2.0	5.4	11.3	18.9	18.2	19.8					19.7
AA-102-097		14 52	-.5	-1.6	-2.7	-1.7	-1.3	1.5	8.3	16.9	25.0	31.3	26.3	13.8	10.4	3.7	29.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-052	05 FEB 80	13 37	14.8	12.2	12.4	12.7	10.5	8.5								6.9	13.1
AA-101-054	13 FEB 80	11 26	25.6	23.1	22.6	23.3	22.3	22.0								11.5	24.6
-055		11 53	29.1	27.1	25.6											13.3	28.9
-056		12 4	29.9	27.6	27.0	27.8	26.4									15.0	28.8
AA-101-065	20 FEB 80	11 19	35.1	30.0	26.6	25.1	24.6	23.4	21.8	20.3						10.6	20.8
AA-102-067		13 11	18.4	7.9	.4	-5.8	-8.5	-10.0	-9.0	-6.5	-11.1	-8.4	-14.8			1.6	-1.4
AA-101-069	21 FEB 80	14 13	10.6	6.3	4.5	3.1	-1.3	-1.2	-.5	-1.4	-3.8	-1.3				2.1	3.9
AA-102-070		14 33	26.0	23.3	21.1	19.4	18.1	16.1	14.6	16.3						18.4	21.1
AA-102-071	22 FEB 80	14 48	-1.1	-2.0	-.3	.9	.5	.4	-.3	3.8	3.0					2.0	2.0
-072		14 53	-4.4	-5.5	-3.1	-1.3	-3.0	-3.2	-4.4	-1.1	-2.2	-1.5				-.2	-.5
AA-101-073	27 FEB 80	11 57	16.6	14.2	12.9	10.9	9.4	8.1								13.3	14.5
AA-101-074	01 APR 80	11 3	31.9	29.0	27.5	26.3	25.9	24.7	24.7	22.5						15.5	25.6
-075		11 22	27.0	24.0	21.9	20.1	20.8	19.8								8.2	19.3
AA-101-076	03 APR 80	11 17	20.7	17.6	13.9											6.0	14.1
-077		14 12	10.9	5.4	2.4	.3	.3	-.4	.7	-.2	-1.1	1.4				6.3	5.5
AA-101-080	10 APR 80	9 39	20.1	18.4	16.3	15.5	14.5	13.4								11.1	17.4
-081		10 47	17.6	16.3	14.5	13.3	12.7	11.4								13.7	15.7
-082		11 47	20.8	19.2	16.6	15.4	11.6									18.9	18.5
-083		12 3	16.6	16.4	14.3	13.9	13.8	12.2								5.9	13.4
AA-101-087	11 APR 80	10 51	24.0	21.5	19.1	17.5	16.3									12.2	20.4
AA-101-088	16 APR 80	10 4	18.4	14.9	13.7	11.8	13.0									8.4	15.5
AA-101-089	17 APR 80	11 23	25.5	22.9	21.1	20.7	19.9	18.3								12.2	21.4
AA-101-090	18 APR 80	11 6	23.1	19.4	17.8	17.5	17.4	16.0								9.1	18.4
AA-101-092	22 APR 80	11 2	27.6	27.0	25.6	24.8	25.0	24.0								25.2	27.0
AA-102-093		14 10	-3.2	-2.2	-1.8	.4	.3	-1.3	1.0	1.0	.0					3.6	.5
AA-101-096	08 MAY 80	10 26														4.7	15.1
AA-102-097		14 52	3.5	3.6	.4	2.3	3.5	2.7	2.9	2.3						6.6	4.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D38

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-098	09 MAY 80	10 40	.8	1.6	2.0	2.8	4.8	6.5	11.6	19.0	25.6	31.5	32.5	29.1	27.2	25.7	26.4
-099		12 29	1.1	1.5	1.9	2.6	5.8	7.3	12.3	19.6	25.8	29.3	30.4	25.5	22.8	22.0	29.5
AA-102-100		14 34	.1	-2.1	-1.6	-1.5	.6	3.6	12.2	20.3	22.7	24.5	21.1	10.7	6.9	3.3	29.1
AA-103-101	09 SEP 80	7 10	-.3	1.6	-.9	-.3	.8	1.7	8.6	18.5	28.8	38.0	33.0	24.9	22.3	18.4	29.5
-103		7 24	.2	1.2	-1.0	-.6	1.1	1.9	9.3	18.8	30.4	40.0	38.9	31.6	28.6	22.2	29.5
-105		7 35	1.0	2.1	-.3	.0	1.4	2.4	9.1	18.5	29.3	38.7	36.5	28.7	24.9	17.4	33.1
-107		7 45	1.2	2.6	.4	.8	1.8	3.0	9.4	18.9	29.6	39.5	39.0	30.5	26.1	19.1	34.4
-109		7 55	1.4	3.0	1.2	1.4	2.5	3.1	9.3	18.4	30.5	38.4	39.0	33.0	33.5	31.8	30.0
-111		12 26	5.2	6.9	6.3	9.2	12.0	14.6	20.3	26.4	33.0	35.2	35.5	30.0	26.1	24.5	40.3
-112		12 58	6.8	10.8	11.1	15.5	20.7	19.7	25.0	29.2	32.9	36.8	35.6	31.4	31.5	29.5	29.1
-114		13 10		10.9	10.5	13.3	16.3	19.8	25.1	30.0	32.4	35.8	35.3	30.5	30.2	29.3	32.2
-116		13 23	4.8		7.9	10.4	13.8	16.2	22.6		30.2	34.9	33.2	28.7	29.1	28.7	30.4
-118		13 37	6.3	9.6	9.2	10.8	13.8	16.4	21.6	26.4	33.3	36.6	36.1	30.2	30.5	30.0	32.7
-120		13 53	9.4	13.0	13.6	16.0	19.3	20.5	25.8	29.7	33.2	36.9	36.0	31.1	32.1	31.2	29.5
-122		14 8	5.9	10.3	10.6	12.6	17.1	20.3	26.0	28.5	32.3	34.4	33.7	29.3	29.6	29.0	28.7
AA-104-102		7 17	.7	-1.2	-2.1	-1.3	.5	3.5	12.4	24.4	31.2	35.2	27.6	20.0	13.7	9.8	32.6
-104		7 30	.5	.2	-1.4	-.3	.6	3.1	9.8	18.9	26.1	33.5	27.5	14.8	11.9	9.8	34.0
-106		7 40	.0	-1.2	-2.7	-1.3	.5	2.8	10.1	20.5	25.4	32.9	26.7	15.3	10.5	6.6	38.0
-113		13 4	-.1	-1.1	-3.1	-1.8	-.1	2.3	8.5	16.7	25.7	28.8	25.2	6.6	2.4	1.2	35.3
-115		13 16	1.0	-1.0	-3.0	-1.5	.4	1.9	8.4	19.2	26.1	30.3	27.3	11.2	7.8	6.7	18.4
-117		13 29	-1.2	-1.9	-3.8	-2.3	-2.0	.1	5.1	15.0	23.4	26.6	26.2	9.8	6.3	5.1	28.2
-119		13 47	.6	-.2	-2.4	-1.0	-.7	2.8	7.7	15.1	21.3	26.2	25.6	8.7	3.3	2.2	31.8
-121		14 3	-2.0	-2.8	-5.2	-3.8	-2.6	1.3	9.3	15.3	20.7	24.1	20.4	5.2	3.1	2.1	20.6
-123		14 13	-.2	-1.1	-3.3	-2.0	-1.0	1.5	7.8	18.3	23.0	28.2	27.1	12.1	7.7	4.9	30.4
-124		15 18	.4			-2.2	-.5	1.5	7.0	18.0	27.7	31.3	27.2	16.5	10.5	8.3	30.9
AA-103-125	10 SEP 80	6 58	-.5	-.5	-2.2	-2.8	-2.6	-2.7	.4	6.2	16.5	29.1	30.8	21.1	17.9	12.3	30.5
-127		7 11	1.1	.9	-.8	-1.6	-1.1	-1.2	1.3	6.4	16.4	29.0	33.2	26.0	23.4	18.4	30.4
-129		7 22	.4	-.1	-1.9	-2.0	-1.7	-1.9	1.0	5.9	16.1	27.4	31.8	24.2	23.4	20.4	29.5
-131		7 33	1.2	1.1	-.8	-1.7	-1.4	-1.7	1.1	6.1	16.3	27.5	32.2	23.8	22.3	17.5	28.6
-133		7 44	1.2	1.3	-.4	-1.1	-1.0	-.8	1.4	6.0	16.5	29.2	32.8	23.6	22.4	17.1	29.1
-135		13 0	2.5	2.9	1.3	1.3	2.5	1.6	4.3	6.9	14.0	26.8	28.7	25.3	26.3	24.1	29.5
-137		13 10	1.0	1.4	-.1	-.5	-.5	-1.2	.2	2.6	9.6	21.2	26.2	19.5	16.0	10.7	30.4
-139		13 19	1.8	2.9	1.7	1.7	2.6	1.1	3.4	6.5	14.4	28.9	32.7	28.2	27.1	23.2	30.0
-141		13 29	.9	.6	-1.1	-1.4	-1.0	-1.4	.5	3.3	10.7	24.4	27.6	23.0	21.9	18.5	30.4
-143		13 44	1.0	1.0	-.6	-.9	-.2	-1.2	1.1	4.5	12.2	25.7	30.1	25.2	25.0	21.0	31.8
AA-104-126		7 4	4.9	4.4	2.7	3.7	4.6	4.3	5.3	7.9	14.2	25.6	35.4	29.0	27.1	23.3	30.4
-128		7 16	5.1	3.6	2.1	3.1	4.3	3.1	4.4	7.7	15.0	27.1	36.0	31.1	27.8	24.0	25.0
-130		7 28	5.2	4.3	2.8	3.6	4.9	4.2	5.3	8.3	14.9	26.5	36.2	31.0	27.8	24.0	31.3
-132		7 39	5.2	3.8	2.3	3.3	4.6	3.4	4.9	8.0	14.8	26.7	35.7	30.9	27.5	23.2	31.7
-134		7 50	5.0	4.1	2.6	3.8	4.8	4.2	5.2	8.1	14.8	27.0	35.7	29.9	26.8	23.4	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE E38

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-098	09 MAY 80	10 40	24.1	21.5	19.5	18.1	17.5	15.0								14.3	21.8
-099		12 29	21.6	20.0	18.8	17.6	16.1	11.4								13.8	18.8
AA-102-100		14 34	1.2	1.1	1.6	2.0	.0	-1.5	-.8	-7.7						6.3	.4
AA-103-101	09 SEP 80	7 10	13.7	7.5	2.0	-1.4	-2.9	1.0	5.1	5.4	-1.7	-1.7				7.9	4.2
-103		7 24	16.0	10.1	5.1	6.9	7.6	13.2	11.0	10.1	7.0					11.6	11.3
-105		7 35	10.1	4.6	-.1	1.2	3.1	4.7	5.7	7.3	5.0					10.1	6.8
-107		7 45	12.2	6.2	.0	-4.0	-2.5	.2	1.8	2.7	-1.1	-3.1				8.6	3.4
-109		7 55	27.2	25.4	21.4	17.2	15.6	11.8	10.8	12.6						13.8	19.5
-111		12 26	24.8	23.9	21.5	20.6	19.3	15.9	14.0							19.1	21.7
-112		12 58	27.5	26.6	25.7	25.9	24.8	21.3	20.4							26.8	26.7
-114		13 10	26.9	25.9	25.1	25.2	24.2	20.7	19.6							25.9	25.9
-116		13 23	26.0	25.4	25.0	24.6	23.1	19.6	18.2							23.7	24.8
-118		13 37	27.3	26.6	26.1	25.7	24.5	20.6								23.8	27.2
-120		13 53	28.8	28.2	27.4	27.2	25.7	22.1	20.2							27.4	27.6
-122		14 8	26.8	26.6	26.4	26.0	24.3	20.9	19.7							25.8	26.3
AA-104-102		7 17	6.1	5.3	2.5	9.4	13.4	5.9	6.6	10.3						9.1	8.0
-104		7 30	6.5	3.1	3.5	-1.9	1.2	2.5	2.1	2.8	2.1					8.0	3.6
-106		7 40	2.8	-1.3	-1.6	-3.2	-3.5	-.4	-1.6	-.9	-4.5	-4.8	-4.0			5.4	-.7
-113		13 4	-.8	-3.7	-4.1	-1.4	-.7	-3.2	-3.3	-2.2	-2.4	-5.9				6.0	-.2
-115		13 16	4.2	.0	-.8	2.4	2.6	1.6	1.2	2.4	1.3					8.3	4.0
-117		13 29	2.2	-.9	-4.1	-3.3	-3.3	-4.0	-3.6	-3.4	-2.5					5.3	-.5
-119		13 47	-1.1	-1.5	-3.4	-4.0	-2.9	-3.8	-5.5	-4.1	-3.5	-6.2				5.7	-.8
-121		14 3	1.4	2.1	3.7	4.3	.6	.1	-1.4	-1.1	-2.0					6.7	2.9
-123		14 13	3.1	1.1	.0	2.8	2.3	-.9	-1.7	-.5	.0	-4.3				7.3	2.6
-124		15 18	4.0	.4	-3.9	-.9	1.1	-.1	-3.6	.4	.6	-1.8				7.4	1.5
AA-103-125	10 SEP 80	6 58	6.6	2.7	-.7	-.2	2.9	1.8	2.0	2.3	-.7	-3.5				5.4	3.7
-127		7 11	13.0	7.2	1.4	.5	4.9	5.5	5.8	5.6	2.4					7.2	7.3
-129		7 22	15.3	10.3	5.1	2.2	5.0	5.8	6.9	7.5	4.1					7.0	8.6
-131		7 33	12.9	8.7	5.6	5.3	6.6	7.3	7.3	8.6	6.3					7.2	9.6
-133		7 44	10.9	5.7	1.9	3.1	5.2	4.5	4.8	4.0	.2	-2.7				6.8	6.0
-135		13 0	20.8	18.3	15.1	12.7	10.9	9.1	9.8	10.8						10.4	15.3
-137		13 10	5.9	3.1	.9	-1.6	-2.8	-4.8	-4.9	-4.3	-5.7	-8.5				3.9	.3
-139		13 19	19.9	17.0	14.4	12.1	10.5	8.3	8.8	10.5						10.0	14.7
-141		13 29	14.6	10.7	7.1	5.5	4.0	2.2	2.6	4.1	3.4					6.5	8.6
-143		13 44	16.7	14.3	10.4	7.9	6.6	4.1	4.4	6.2	7.4					7.5	10.8
AA-104-126		7 4	21.2	19.9	18.8	19.7	19.7	17.3	17.4	17.5						10.8	18.4
-128		7 16	21.9	21.2	20.2	21.1	20.6	18.4	18.1	18.8						10.3	18.7
-130		7 28	21.3	20.4	19.1	20.4	19.9	17.8	17.7	18.1						10.9	18.7
-132		7 39	20.6	18.3	16.4	17.6	16.9	14.9	15.3	15.7						10.5	17.3
-134		7 50	20.3	18.6	15.6	17.1	16.4	14.0	14.2	14.8						10.8	17.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-B03-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D39

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-145	16 SEP 80	7 19	.8	.5	-2.1	-2.6	-1.8	-.2	7.0	16.6	30.7	40.3	37.7	24.6	17.0	8.6	36.2
-147		7 34	.3	.3	-2.1	-2.2	-1.6	-.1	6.0	15.3	28.9	37.8	34.1	25.7	22.1	19.4	32.2
-149		7 47	.4	.7	-1.7	-1.6	-1.2	.5	5.5	13.9	25.8	37.5	35.9	25.5	26.4	23.9	29.1
-151		8 0	1.1	1.3	-.9	-.8	-.8	.4	5.0	12.5	24.3	34.4	34.2	25.9	26.0	25.3	30.4
-153		8 12	2.5	2.6	.6	.6	.4	2.3	6.2	13.6	28.4	37.3	38.6	33.0	32.8	31.3	29.5
-156		13 21	4.1	5.3	4.0	5.4	6.0	8.7	12.5	17.5	27.6			33.7	33.8	31.2	23.3
-158		13 49	3.5	6.2	4.9	6.2	7.8	8.2	12.4	17.5	27.7	39.1	39.6	33.1	33.7	32.5	32.2
-159		13 51	3.7	7.0	6.4	7.9	9.9	10.9	15.4	20.3	30.3	41.4	41.3	35.8	36.6	34.9	31.3
-160		13 54	4.4	6.2	5.1	6.0	7.6	7.9	12.3	17.1	26.6	39.1	39.0	33.8	34.1	32.3	32.7
AA-104-157		13 42	.9	-.5	-2.5	-2.0	-.1	1.8	8.1	17.1	28.1	30.8	26.7	9.7	5.0	3.9	31.3
-161		14 8	.1	-1.1	-3.3	-2.7	-.7	1.8	7.9	15.8	26.2	32.3	27.1	10.7	6.0	4.2	24.6
-162		14 11	-.2	-1.4	-3.5	-3.3	-1.1	1.9	7.5	15.1	26.5	29.8	26.3	8.4	3.5	2.4	29.5
-163		14 13	-1.5	-2.8	-4.6	-3.6	-1.4	2.5	7.8	14.3	21.8	24.4	20.6	4.9	.8	.1	35.3
AA-108-146		7 28	.9	.0	-.4	-1.5	-.6	1.7	8.0	17.3	24.3	27.3	16.4	9.1	6.8	3.3	29.1
-148		7 40	1.0	-.8	-1.0	-1.8	-.2	1.2	7.8	18.1	24.3	28.2	17.8	9.0	6.8	3.4	24.6
-150		7 53	1.7	-.2	-.9	-1.4	-.3	1.5	7.6	16.9	21.7	24.9	17.5	9.4	8.0	8.4	30.4
-152		8 6	1.2	-.3	-.9	-1.3	-.8	1.0	5.1	13.5	21.9	26.6	19.8	15.4	15.0	12.9	30.0
-154		8 21	1.3	.1	-.3	-1.1	-.4	1.2	5.8	13.2	22.5	25.3	20.0	13.4	12.9	13.2	30.4
AA-103-164	17 SEP 80	7 5	13.1	15.2	15.8	17.0	19.9	21.2	26.7	29.4	34.0	39.2	40.6	37.5	39.1	37.3	29.0
-165		7 12		14.8	15.4	17.7	21.4	23.3	27.8	31.3	35.0	40.5	41.0	38.0	39.5	37.7	36.7
-166		7 20	12.7	15.4	15.7	18.3	21.9	24.5	28.2	32.4	36.9	41.8	43.3	39.8	41.3	39.5	31.3
-170		7 44	13.0	15.0	15.7	17.7	18.4	19.2	22.9	25.6	30.0	37.6	39.9	36.3	36.4	36.0	35.3
-171		7 47	9.2	10.6	9.7	9.7	10.1	11.3	13.2	15.5	19.7	28.0	34.0	33.8	35.1	33.0	32.6
-175		13 12	6.1	6.9	6.0	5.1	6.5	6.9	8.4	13.5	22.2	34.2		28.7	26.1	21.0	29.5
-176		13 22	5.0	5.9	4.3	3.0	4.0	4.6	6.5	11.7	20.7	33.7	30.8	23.7	21.5	17.0	29.5
-177		13 24	6.3	6.7	4.9	4.3	5.6	5.8	8.0	12.7	22.1	31.1		28.8	26.8	22.3	32.6
-178		13 28	6.6	6.8	5.3	4.8	6.2	5.7	7.3	12.3	20.7	33.7		28.6	27.2	22.3	35.3
-179		13 34	6.6	7.2	5.5	4.9	6.2	6.6	8.7	12.7	21.4	33.6		30.2	29.5	25.9	29.0
AA-104-167		7 27	-1.9	-3.6	-5.7	-5.1	-3.9	-2.3	.8	6.3	14.9	22.3	24.3	10.8	7.4	-2.3	35.8
-168		7 30	-.4	-2.5	-4.5	-4.6	-3.9	-3.7	.5	6.2	14.9	23.2	26.3	13.9	9.0	.0	32.2
-169		7 33	-1.2	-3.5	-5.8	-5.5	-4.1	-3.4	.1	6.7	13.1	22.5	24.3	13.5	4.4	-3.7	30.4
-172		8 4	-2.7	-7.2	-8.0	-8.1	-5.4	-2.4	.8	8.1	14.6	18.8	16.3	4.9	-3.5	-9.4	33.6
-173		8 23	-1.3	-5.1	-6.2	-6.9	-6.1	-4.1	.5	13.0	22.3	27.2	25.5	13.2	4.8	1.4	39.4
-174		8 27	-1.7	-5.2	-5.9	-6.3	-5.1	-2.5	2.4	12.0	22.0	25.5	23.0	10.9	2.8	-3.3	32.2
-180		13 51	5.0	4.6	4.1	4.9	6.6	6.3	6.3	8.8	14.5	23.1	29.3	28.4	26.3	21.6	31.1
-181		14 2	4.2	4.2	3.6	4.8	5.7	5.5	6.1	9.0	15.3	26.0	33.6	29.9	27.2	21.9	28.2
-182		14 4	3.2	2.6	1.5	2.8	3.5	3.2	4.1	7.6	14.4	25.3	32.0	27.9	25.5	21.8	31.4
-183		14 6	3.3	3.1	2.3	3.1	4.3	3.5	4.2	7.2	14.1	25.3	30.5	27.6	25.8	20.7	28.7
-185		14 8	4.2	3.8	3.1	4.5	5.3	4.9	5.6	8.8	15.2	25.6	31.5	29.6	28.4	24.0	30.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-145	16 SEP 80	7 19	7.0	8.6	9.4	11.4	11.4	10.2	15.1	15.0						9.4	11.4
-147		7 34	14.0	7.7	.7	4.5	13.8	7.1	9.1	8.8	9.1	6.7				9.3	9.6
-149		7 47	20.6	16.3	11.0	6.6	5.9	3.4	3.4	3.4	4.0	3.1				9.2	9.4
-151		8 0	22.2	21.5	16.3	13.5	11.2	8.7	10.8	10.8						9.9	16.3
-153		8 12	28.7	25.2	22.4	21.0	17.1	13.2	14.8	15.9						11.5	20.8
-156		13 21	29.1	30.0	29.2	29.5	28.2	25.1								17.6	28.9
-158		13 49	31.0	30.5	29.2	28.4	26.7	24.2								17.9	28.6
-159		13 51	33.2	32.8	31.3	29.7	28.8	26.1								20.5	31.0
-160		13 54	30.8	29.8	28.1	26.8	25.3	22.3								18.0	28.0
AA-104-157		13 42	2.7	.9	2.4	5.6	6.9	5.1	6.9	6.9	4.8					8.4	5.8
-161		14 8	3.7	.9	.0	4.6	5.6	2.4	3.0	2.9	2.5					7.7	4.6
-162		14 11	.6	-.9	.1	5.1	2.9	1.4	3.3	4.5	4.3					7.0	3.8
-163		14 13	-1.8	-2.2	-.7	3.2	2.2	.2	.9	.5	-.4	-4.0				6.3	1.7
AA-108-146		7 28	-.1	-2.0	.6	4.4	10.4	8.8	7.1	7.6						5.4	3.4
-148		7 40	-1.0	-5.1	-7.7	-.8	3.9	5.7	1.7	.2	1.5	.3				4.6	-.7
-150		7 53	7.7	3.3	-.1	-.3	4.0	3.9	7.7	5.5	2.5	4.4				5.8	3.3
-152		8 6	10.6	8.6	3.8	.9	-2.1	-3.8	-3.1	-.5	1.0	-5.3	-7.5			3.6	-.6
-154		8 21	13.0	12.9	11.4	10.3	7.3	5.3	5.2	6.4	5.0	4.8	2.5			6.2	7.7
AA-103-164	17 SEP 80	7 5	36.0	34.3	32.8	31.4	30.0	27.1								30.0	34.0
-165		7 12	36.8	34.9	33.5	32.3	30.9	28.0	27.4							31.4	34.1
-166		7 20	38.1	36.3	34.8	33.6	32.2	29.2	28.5	29.1						31.8	34.8
-170		7 44	34.1	33.2	31.9	31.3	30.3	27.7								27.7	33.1
-171		7 47	31.1	29.3	28.0	27.5	26.5	23.6	22.9	23.1						18.5	26.6
-175		13 12	16.2	14.3	12.3	10.6	12.4	12.8	13.4	15.1						14.5	16.1
-176		13 22	12.0	7.5	5.2	6.1	8.7	9.2	9.5	11.4						11.6	10.7
-177		13 24	17.8	14.3	11.5	11.4	11.7	12.6	13.4	16.3						13.8	15.6
-178		13 28	18.1	14.6	12.5	11.5	11.4	11.4	12.4	15.4						13.5	15.7
-179		13 34	22.0	18.6	14.9	12.6	12.4	13.4	15.1	17.9						14.4	17.7
AA-104-167		7 27	-5.8	-4.2	-.3	1.5	1.6	1.5	4.5	5.2	4.0					4.8	3.0
-168		7 30	-2.9	-1.3	.8	2.8	2.1	3.4	4.5	4.5	4.3					5.2	4.5
-169		7 33	-5.7	-3.4	-.2	.1	-.4	2.0	3.0	3.3	3.0					4.5	2.3
-172		8 4	-6.9	-5.2	-2.9	-5.7	-4.6	-1.6	-1.4	-.4	-.9	-1.1				1.1	-2.4
-173		8 23	.3	.5	2.4	2.6	2.3	4.7	4.9	4.9						4.5	4.8
-174		8 27	-1.0	.5	3.3	2.6	1.4	4.6	4.6	5.9						5.0	4.0
-180		13 51	17.9	15.5	13.0	13.8	13.7	11.2	12.5	13.6	12.4					11.7	14.5
-181		14 2	17.8	15.4	12.9	12.4	11.5	9.1	10.3	10.9						11.6	13.8
-182		14 4	17.0	14.4	12.2	12.6	11.9	9.0	9.9	11.4	10.2					9.8	12.8
-183		14 6	16.1	14.0	12.6	13.1	12.4	9.7	10.5	11.9						9.9	14.1
-185		14 8	19.6	18.5	16.2	16.7	15.9	13.3	14.5	15.7						11.5	17.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D40

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-188	19 SEP 80	7 1	-.3	-.2	-1.3	-1.0	-.5	-.5	2.6	7.5	17.8	30.6	35.4	27.8	27.1	23.5	31.4
-189		7 3	.5	.8	-.8	-.8	-.7	-.5	2.6	8.3	19.9	31.5	35.3	27.2	26.9	22.8	32.7
-192		7 21	.3	.8	-.4	-.4	-.1	.1	2.9	8.0	19.1	33.4	37.9	28.9	27.6	24.1	29.1
-193		7 23	.8	1.4	-.1	.0	.2	.4	3.3	8.3	19.9	33.4	37.6	29.4	27.4	25.2	31.8
-194		7 25	-.6	-.7	-2.8	-3.3	-2.9	-2.4	1.0	6.9	17.4	29.9	30.6	21.5	20.4	17.7	30.0
-200		7 52	-1.3	-1.8	-4.1	-4.5	-4.4	-3.3	1.1	6.6	17.6	24.4	21.8	9.9	5.8	1.1	28.2
-201		7 54	-1.3	-1.8	-4.2	-4.8	-4.4	-3.0	1.2	5.7	17.4	24.5	20.9	9.5	7.4	6.8	29.5
-202		7 56	-2.1	-2.1	-4.4	-4.8	-4.6	-3.1	1.4	6.3	17.0	24.2	23.5	12.2	9.2	7.4	29.5
-203		7 58	-1.3	-1.5	-3.9	-4.2	-4.4	-3.3	1.3	7.1	17.1	27.3	26.5	14.1	9.7	4.3	19.8
-204		8 0	-.7	-.6	-2.6	-2.9	-3.0	-2.4	1.8	7.5	17.8	29.0	30.4	18.9	14.8	8.7	29.5
-205		8 2	.1	.0	-2.2	-2.6	-2.5	-1.9	1.5	7.0	16.4	30.5	33.4	22.0	17.3	9.6	29.1
-206		8 14	.7	.3	-1.7	-1.7	-1.5	-.5	3.0	9.4	19.0	29.8	33.4	23.7	19.8	14.7	32.2
-207		12 53	2.9	3.1	2.3	3.0	3.6	3.9	7.6	10.7	17.1	28.8	33.3	28.2	28.0	26.3	30.0
-208		12 55	3.5	3.7	2.1	2.5	3.4	3.8	6.9	9.9	16.7	27.7	31.0	28.3	28.6	26.3	31.3
-209		12 57	3.6	3.4	2.3	3.1	4.0	4.1	7.1	10.3	16.4	28.0	32.6	28.4	28.9	26.7	31.3
-210		12 59	2.2	1.9	.8	.9	1.9	2.1	5.2	8.3	13.7	24.4	31.5	26.9	26.9	24.3	26.4
AA-104-190		7 12	8.7	6.6	5.9	5.9	6.8	6.4	8.1	13.5	24.3	40.2	42.9	36.2	33.4	30.9	29.5
-191		7 14	9.1	6.9	5.9	6.0	7.0	6.4	8.1	13.9	24.6	40.2	43.6	36.2	33.0	30.4	31.3
-211		13 16	5.8	5.5	4.8	4.8	5.9	5.2	6.4	10.3	18.3	29.8	34.1	30.6	29.0	24.2	17.9
-212		13 21	5.3	5.6	5.3	5.4	6.6	6.0	8.0	12.5	20.6	33.7	35.2	30.6	28.2	24.4	20.6
-213		13 35	5.7	5.3	5.0	6.3	7.9	7.3	8.9	12.8	20.0	30.0	33.1	30.7	28.5	25.8	31.4
AA-103-214	23 SEP 80	7 8	1.2	1.0	-1.6	-2.4	-1.5	.0	4.8	11.4	22.8	30.4	29.5	24.2	21.9	17.4	30.4
-215		7 10	1.2	.7	-1.9	-2.6	-1.5	-.4	4.5	11.6	21.6	31.0	29.7	25.3	21.9	17.0	29.0
-216		7 12	-.9	.4	-2.0	-2.3	-1.6	-.3	4.3	11.2	23.6	29.3	29.4	25.1	22.8	19.5	29.5
-220		7 33	-1.2	.6	-1.5	-1.6	-.6	.7	5.7	13.1	23.9	32.8	31.0	26.4	24.5	21.6	27.3
-221		7 35	.8	.1	-2.0	-3.0	-2.1	-.9	4.3	11.6	22.7	31.0	30.1	24.1	22.1	18.1	27.3
AA-104-217		7 21	4.4	3.7	2.1	3.5	3.5	4.4	6.3	11.6	21.5	35.6	36.3	28.9	25.7	22.4	22.4
-218		7 23	4.1	3.4	2.2	2.9	3.2	3.8	5.5	11.0	21.3	36.6	36.4	29.0	26.0	21.4	16.1
-219		7 24	3.8	2.9	1.4	2.6	2.5	3.6	5.4	10.6	21.0	36.3	36.5	27.4	24.7	20.7	23.8
-222		7 41	4.7	3.8	1.9	2.8	3.8	4.1	6.3	12.5	23.0	34.9	35.1	29.3	25.9	22.5	29.6
-223		7 43	4.0	3.3	2.0	3.2	3.9	4.1	6.1	12.3	23.0	36.3	36.6	29.6	25.8	22.7	30.5
-224		7 46	4.1	3.7	2.5	3.5	4.5	4.8	6.8	12.8	23.4	36.4	36.2	30.1	26.0	22.4	30.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-188	19 SEP 80	7 1	19.9	17.7	12.8	9.9	7.1	8.9	12.7	15.0						8.8	14.6
-189		7 3	17.9	13.3	8.0	5.5	5.6	8.2	8.5	10.0	4.0					8.6	11.0
-192		7 21	19.0	13.8	8.0	3.1	1.0	4.2	7.7	8.1	.9					8.8	8.8
-193		7 23	21.0	15.0	8.5	3.4	1.1	2.3	7.9	6.6	3.7					9.1	9.3
-194		7 25	13.2	10.2	4.6	-1.4	1.2	5.8	4.8	6.8	3.8	3.3				6.4	7.6
-200		7 52	-2.0	-.8	-1.1	2.5	-.6	-2.1	-.1	-.6	-2.9	-5.5	-7.3			3.0	.2
-201		7 54	2.3	-2.2	-.2	1.9	-.2	-1.2	1.4	1.3	-.3	-2.6				4.1	2.3
-202		7 56	8.2	1.5	.2	2.4	3.9	.9	2.9	2.7	1.2	-1.4				5.0	4.5
-203		7 58	1.0	2.4	-.4	1.5	5.4	.4	3.8	3.9	2.1	.0				4.5	3.6
-204		8 0	4.9	6.8	1.7	2.0	5.4	3.8	3.4	4.4	2.8	.9				6.2	6.1
-205		8 2	2.8	1.2	1.3	-1.6	4.0	2.5	1.7	4.7	4.9	2.5				5.7	4.3
-206		8 14	8.3	4.3	.5	-2.3	-4.9	-3.4	-1.3	.5	-1.0	-5.8	-4.5			6.2	2.2
-207		12 53	23.2	21.1	18.4	16.8	15.4	13.5	15.0							12.7	19.7
-208		12 55	23.3	21.8	19.9	19.0	17.6	15.2	15.6	17.2						12.5	19.9
-209		12 57	24.3	22.7	20.6	18.5	17.0	14.7	15.3	17.2						12.7	20.3
-210		12 59	22.5	20.7	18.9	17.7	16.2	13.7	15.2							10.6	18.8
AA-104-190		7 12	29.8	28.8	27.8	29.4	28.1	25.7	26.0	28.1						14.3	24.0
-191		7 14	29.8	28.6	27.0	28.2	27.5	24.6	25.0	27.3						14.4	24.0
-211		13 16	20.7	18.5	16.1	16.9	16.5	13.9	15.0	17.4						12.2	17.8
-212		13 21	21.7	19.5	16.6	17.8	17.1	14.2								13.7	19.2
-213		13 35	22.6	20.1	17.9	19.0	19.0	16.7								14.3	19.9
AA-103-214	23 SEP 80	7 8	12.7	11.0	10.2	7.5	9.2	8.8	8.6	11.0						8.8	12.6
-215		7 10	11.5	8.0	4.8	2.7	5.3	5.3	7.1	9.1	7.4					8.0	8.8
-216		7 12	14.9	11.7	9.2	5.2	6.2	3.7	4.5	4.5	-1.0					8.3	8.8
-220		7 33	17.6	15.2	13.9	9.8	10.2	9.9	11.1							9.8	14.4
-221		7 35	13.3	11.2	9.6	6.0	8.5	7.3	8.0							8.2	11.4
AA-104-217		7 21	20.2	18.3	17.0	17.0	15.0	11.8	11.1	11.0						11.3	16.5
-218		7 23	18.7	16.7	14.4	15.3	14.3	10.5	9.5	9.9						10.8	15.3
-219		7 24	17.1	14.4	12.3	12.3	10.8	7.8	7.1	6.4	4.5					10.2	11.7
-222		7 41	20.9	19.0	17.1	17.4	14.7	11.6	10.7	10.7	8.6					11.4	15.2
-223		7 43	20.3	17.7	15.9	16.2	14.9	11.7	11.2	11.3						11.4	16.1
-224		7 46	20.9	19.0	17.2	17.9	16.8	13.2	12.7	12.5	10.9					11.9	16.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D41

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-235	24 SEP 80	6 59	1.0	1.6	-.3	-.4	.6	2.4	8.2	16.9	28.0	37.6	35.8	29.4	27.4	22.1	30.4
-236		7 1	.0	.3	-1.5	-1.2	-.1	1.9	8.8	17.9	24.7	31.7	30.8	23.1	19.6	11.1	30.4
-237		7 3	.2	.9	-1.2	-.8	.8	2.8	9.4	18.5	27.5	37.5	33.6	24.5	21.6	14.5	32.2
-238		7 4	1.1	.8	-1.5	-1.3	.8	3.1	10.5	19.9	27.9	34.9	28.9	19.8	16.5	11.6	31.8
-243		7 24	.3	.5	-1.0	-.1	.8	2.2	7.6	16.5	27.2	37.2	34.9	26.3	25.2	19.7	31.8
-244		7 26	.0	.6	-1.0	-.1	.7	2.3	8.4	17.0	28.6	37.2	32.8	24.4	23.1	19.0	29.5
-245		7 27	.8	1.2	-.6	-.3	.6	2.8	8.9	20.1	29.2	35.4	33.5	24.0	21.2	16.3	31.8
-246		7 29	.9	.8	-1.0	-.7	.0	1.9	8.6	18.9	28.6	36.6	31.8	22.1	19.4	15.2	31.8
-247		7 31	1.9	1.3	-1.5	-1.5	-.5	1.6	7.6	16.7	26.4	34.4	31.4	19.6	14.8	8.3	32.2
-248		7 32	.0	.3	-2.0	-1.3	-.4	1.9	8.7	16.6	26.7	38.0	33.4	21.7	16.4	9.9	31.3
-257		15 0	.6	3.3	1.0	1.2	1.6	2.2	6.8	13.8	26.6	36.7	36.2	28.7	27.3	21.7	18.8
-258		15 1	3.8	4.5	2.6	2.8	3.5	3.5	7.8	13.5	25.3	36.9	38.3	33.1	32.9	29.5	30.9
-259		15 3	2.3	3.2	1.1	1.2	1.9	2.4	6.8	12.7	26.2	35.6	37.0	32.0	32.7	28.8	20.6
-260		15 4	2.6	3.4	1.4	1.6	2.8	2.7	7.0	12.1	23.1	35.5	36.0	31.1	31.1	28.2	31.8
-261		15 6	3.5	4.5	2.9	3.2	4.4	4.5	8.9	13.9	25.0	36.6	36.5	31.0	30.6	27.8	31.3
AA-104-239		7 12	5.7	4.9	3.1	4.4	5.6	5.8	8.5	14.5	25.6	39.6	37.6	30.6	28.2	25.9	30.9
-262		15 17	3.3	3.2	1.6	3.1	3.8	5.2	6.5	10.0	17.4	28.6	31.6	23.8	21.8	19.6	32.7
-263		15 18	2.7	2.6	.9	2.0	2.3	4.3	5.6	10.4	20.4	31.1	31.7	21.3	18.7	16.2	25.9
-264		15 24	2.9	1.9	.2	.4	.4	1.8	2.1	6.4	16.0	27.4	27.3	19.9	20.0	17.6	22.3
-265		15 26	.7	.7	-.6	-.2	-.5	.9	2.3	8.1	19.9	32.1	32.1	22.2	14.7	11.9	29.2
-266		15 28	2.0	.9	-.8	.0	.2	1.4	3.1	8.5	20.1	33.2	33.3	21.5	18.5	13.8	33.2
AA-103-267	25 SEP 80	7 10	.3	.1	-1.6	-2.0	-1.4	.0	5.3	13.9	27.6	42.1	40.2	32.2	29.7	25.8	31.4
-268		7 14	1.4	1.1	-.5	-.5	-.2	.9	5.5	13.2	27.0	41.2	39.3	31.2	29.9	25.0	31.4
-269		7 17	2.0	1.9	.4	.3	.6	1.7	6.0	13.2	27.5	40.7	39.9	32.8	31.5	28.5	32.3
-270		7 19	2.0	1.7	.5	.5	.9	1.7	6.3	14.3	28.2	39.9	38.4	30.2	28.3	25.5	31.4
-271		7 22	2.0	2.2	.7	.6	1.3	2.1	6.6	14.3	29.5	40.6	40.0	34.4	33.1	29.8	31.3
-277		7 50	2.0	2.5	.9	.6	1.5	2.7	7.6	14.6	28.9	39.6	39.1	32.6	32.5	29.3	22.8
-278		7 51	3.2	3.4	1.5	1.1	1.9	2.7	7.3	14.8	29.1	40.3	39.9	33.0	33.2	30.9	30.4
AA-104-272		7 30	.9	-.2	-1.9	-.6	.5	1.2	5.4	13.5	26.7	37.3	38.1	27.4	23.5	21.1	35.8
-273		7 32	.9	-.7	-2.3	-1.2	-.3	.7	4.8	13.1	27.7	36.1	37.9	28.9	22.0	17.4	31.3
-274		7 34	.9	-.4	-2.0	-1.2	-.4	.5	4.5	12.9	25.8	31.1	35.7	27.3	22.2	19.0	32.6
-275		7 36	.7	-.4	-1.9	-.8	.0	1.2	5.3	13.7	28.6	32.3	33.5	25.1	21.7	19.4	36.7
-276		7 38	1.5	-.1	-1.7	-.7	.3	1.4	5.1	13.5	28.6	35.2	35.4	26.9	22.0	18.6	30.4
-279		8 0	2.1	1.0	-.7	.2	1.0	1.5	5.1	12.7	27.5	34.0	37.4	30.6	27.9	24.9	33.5
-280		8 2	3.0	1.8	.1	.9	1.9	2.3	6.0	13.6	28.0	36.3	35.3	30.8	26.6	26.2	40.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

PARAMETERS:
ALL DATA LISTED

DATABASE:

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-235	24 SEP 80	6 59	15.9	12.3	9.5	3.6	5.7	10.3	8.1	8.9						11.4	11.9
-236		7 1	6.9	7.0	2.1	3.2	6.4	3.7	3.4	3.3	.6					9.6	7.0
-237		7 3	8.9	6.6	6.6	4.6	7.7	4.4	4.6	4.9						10.7	9.4
-238		7 4	11.1	7.0	7.2	10.2	12.0	7.7	10.7	8.7						11.2	11.2
-243		7 24	13.9	9.5	5.5	6.3	10.4	9.2	8.9	9.3						10.7	11.3
-244		7 26	15.0	11.1	9.0	10.5	12.2	8.9	10.3	9.8						11.2	13.3
-245		7 27	11.8	9.1	6.2	5.3	9.5	7.1	6.9	4.7						10.9	10.2
-246		7 29	12.8	10.6	6.5	8.1	9.8	9.2	9.1	8.5						10.8	12.1
-247		7 31	6.5	7.6	3.5	7.3	8.3	4.6	6.7	7.5						9.3	8.6
-248		7 32	6.4	8.9	7.9	11.9	11.3	9.1	11.0	11.8						10.0	10.9
-257		15 0	19.6	17.4	12.6	9.4	8.2	7.8	9.3							11.8	15.0
-258		15 1	26.7	24.6	22.3	19.8	17.0	14.4	15.4	17.6						13.6	21.6
-259		15 3	25.9	24.5	21.8	18.9	16.7	14.5	14.9	16.2						12.3	21.1
-260		15 4	26.1	24.5	22.0	19.7	17.5	15.3	16.0	17.5						12.8	21.3
-261		15 6	25.3	23.8	22.4	20.6	18.1	15.2	15.4	17.0						14.4	21.5
AA-104-239		7 12	25.5	23.4	22.0	23.3	22.9	20.6	20.5	20.1						12.8	21.9
-262		15 17	17.2	15.2	13.7	14.4	13.8	11.0	10.8	11.8						10.6	15.0
-263		15 18	14.6	13.1	12.0	12.4	11.3	8.2	7.7							9.9	13.6
-264		15 24	14.4	12.1	11.2	10.1	8.3	4.6	4.8	6.2						6.0	9.8
-265		15 26	8.9	6.0	2.8	3.0	3.6	3.0	5.2	6.4						6.6	7.3
-266		15 28	10.3	7.0	4.0	4.3	1.8	-1.1	-1.0	1.3	.0					7.2	5.1
AA-103-267	25 SEP 80	7 10	13.7	5.6	4.1	7.2	12.6	16.0								9.2	11.2
-268		7 14	17.8	10.4	2.8	.7	4.7	9.3	10.1	10.4						9.4	8.8
-269		7 17	24.6	19.6	14.1	8.5	6.6	7.8	6.8	11.1						10.7	14.1
-270		7 19	20.4	14.3	8.0	4.1	1.5	-.2	1.0	-.5	2.0	-2.7				9.4	6.2
-271		7 22	26.5	24.7	18.4	14.7	11.6	7.9	7.6	8.5	9.0					11.7	14.9
-277		7 50	27.9	25.4	22.5	19.0	16.3	11.2	10.7	16.9						12.5	19.7
-278		7 51	25.3	18.3	10.0	4.6	-.3	-3.0	1.0	4.1	3.7					10.5	7.0
AA-104-272		7 30	17.9	11.0	3.9	-.7	-2.9	-3.8	-4.2	3.3	3.7					7.1	2.3
-273		7 32	17.4	15.3	9.4	5.6	2.0	1.8	1.3	.7	2.3					7.7	6.5
-274		7 34	17.9	16.6	14.3	10.2	4.3	-.1	4.0	4.6	4.2					8.1	8.5
-275		7 36	19.7	19.8	17.1	14.1	8.6	3.5	3.0	6.3	.7					8.5	8.8
-276		7 38	18.8	19.1	18.6	18.2	16.6	13.4	13.1							9.1	17.6
-279		8 0	23.7	21.6	21.0	22.2	20.7	17.9								9.4	20.2
-280		8 2	24.5	24.7	22.8	22.2	21.4	18.4	18.8	18.0						10.4	20.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-281	30 SEP 80	14 15	3.1	3.4	2.0	2.9	4.1	5.3	10.6	16.8	28.5	36.4	34.7	29.3	27.8	26.1	31.3
-282		14 17	3.2	4.1	2.4	3.4	4.6	5.6	10.7	16.3	27.6	36.3	34.9	29.2	28.0	27.3	31.3
-283		14 19	2.3	2.9	1.4	2.5	3.7	5.3	10.5	16.6	27.5	36.4	35.4	30.1	27.7	27.2	31.3
-284		14 21	3.1	3.5	2.0	3.0	3.6	5.0	10.9	17.5	27.5	32.7	32.7	27.3	25.1	24.2	31.3
-285		14 22	3.4	4.3	3.4	5.2	6.8	8.6	13.0	19.0	29.0	36.2	34.2	29.5	28.4	26.3	31.3
-291		14 44	3.6	3.8	2.5	3.3	4.8	5.3	10.8	16.8	27.1	34.3	34.8	29.9	28.4	27.9	32.6
-292		14 47	3.5	4.0	2.5	3.2	4.9	5.3	10.6	17.2	28.4	35.0	34.8	31.5	29.5	28.9	32.2
-293		14 48	3.1	3.3	1.3	2.0	3.5	4.2	9.3	15.7	28.9	33.5	34.2	29.0	27.3	26.6	34.0
-294		14 50	1.8	2.1	.3	1.0	2.1	3.2	9.7	18.2	28.9	32.1	32.4	26.7	25.5	23.9	30.4
-295		14 53	3.2	3.3	1.6	2.0	3.0	4.0	9.2	16.1	28.6	36.3	34.1	29.4	27.1	25.7	31.7
AA-104-286		14 30	2.4	1.8	.9	1.9	3.5	3.8	6.7	12.2	21.3	28.7	26.8	19.1	13.8	12.3	31.7
-287		14 31	2.1	1.6	.6	1.6	3.1	3.9	7.1	13.6	24.8	31.9	28.7	20.3	16.0	15.4	31.7
-288		14 33	2.3	1.3	.1	1.5	3.7	5.2	8.7	14.5	23.5	31.6	30.6	20.8	15.6	15.2	31.7
-289		14 34	3.8	2.7	1.4	2.2	3.7	4.7	7.8	13.2	22.9	30.7	30.6	21.2	16.6	17.1	30.4
-290		14 37	3.0	2.1	1.2	2.7	4.9	5.8	9.0	14.8	23.8	30.3	29.2	19.1	14.0	13.6	32.6
-296		15 13	2.5	2.2	.6	1.3	3.2	3.4	7.2	13.7	24.0	29.8	28.7	18.8	13.4	12.8	31.3
-297		15 25	2.4	1.5	.2	.8	2.3	2.8	7.0	15.0	25.9	30.9	29.9	18.9	12.8	11.2	31.3
AA-103-299	01 OCT 80	7 0	-.6	-.7	-3.3	-3.4	-1.1	2.6	11.2	21.9	33.5	37.5	35.2	30.1	30.1	17.9	31.3
-300		7 2	-.4	-.6	-3.1	-3.0	-.9	2.5	10.8	21.1	33.7	40.3	38.4	33.8	25.8	15.5	25.5
-301		7 3	.1	-.3	-2.8	-3.1	-.6	2.7	11.4	22.2	34.3	38.1	33.1	29.3	30.5	20.0	32.2
-302		7 5	.1	-.3	-3.1	-3.4	-1.2	2.1	10.4	22.3	33.8	36.2	34.2	28.1	28.5	17.6	22.4
-303		7 7	.2	-.4	-2.9	-3.1	-.8	2.3	10.6	21.3	32.9	36.5	31.9	21.2	16.8	8.9	32.3
-309		7 32	.7	.5	-1.9	-1.7	-.9	3.2	10.7	22.1			36.9	27.6	23.6	17.3	35.4
-310		7 33	.5	.6	-1.8	-1.5	-.5	3.3	11.1	22.3	35.4	41.4	37.1	25.7	21.8	15.7	28.6
-311		7 35	1.0	1.0	-1.5	-1.4	-.5	3.4	10.8	22.1	35.8	43.0	37.4	24.4	19.9	13.4	31.3
-312		7 36	1.3	1.1	-1.2	-1.0	.1	3.6	11.1	22.0	35.4	42.5	39.0	28.0	23.9	16.5	31.3
-313		7 38	1.6	1.4	-1.0	-.6	.3	4.0	11.3	22.8	36.3	43.6	41.2	30.9	25.5	17.6	32.7
-319		7 59	2.3	1.9	-.2	.1	.7	3.2	9.9	20.6	32.5	39.7	37.0	27.1	25.6	19.6	35.4
-320		8 0	2.6	2.2	.3	.0	1.2	3.7	10.2	20.7	34.1			27.5	26.3	20.6	15.2
-321		8 1	3.4	2.6	-.1	.3	1.1	3.8	10.1	20.1	33.7	42.0	38.6	28.7	27.1	21.0	24.6
-322		8 3	4.8	3.8	.9	1.1	2.1	4.6	10.9	21.0	32.8	41.8	39.6	33.2	31.6	27.2	32.2
-323		8 8	4.4	4.5	1.6	1.0	2.1	4.7	10.7	21.2	35.7	43.6	41.0	34.6	33.8	30.3	32.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE E42

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-281	30 SEP 80	14 15	24.1	21.9	19.3	18.1	15.9	13.2								15.5	21.5
-282		14 17	24.7	23.1	20.9	19.8	17.7	15.4	16.5							15.5	22.2
-283		14 19	25.5	23.3	20.8	20.0	18.3	16.0								15.0	21.9
-284		14 21	22.0	20.0	17.9	16.4	14.5	12.2	12.5	14.3						15.2	18.9
-285		14 22	25.1	23.0	20.5	19.1	17.5	15.7	16.4							17.6	22.3
-291		14 44	25.5	23.4	21.0	20.0	18.6	16.5	17.3							15.6	22.7
-292		14 47	27.5	24.9	22.7	22.2	21.2	18.7	17.2							15.0	23.6
-293		14 48	24.3	22.7	20.5	19.0	17.6	15.7	16.6							14.7	22.0
-294		14 50	21.9	19.3	15.9	14.5	13.0	10.9	11.1	12.0						13.8	17.6
-295		14 53	23.6	20.5	17.6	16.4	14.1	11.8	12.3	14.1						14.4	19.2
AA-104-286		14 30	11.3	9.6	8.1	9.0	8.2	6.0	6.5	7.3						9.5	10.3
-287		14 31	13.4	11.3	9.6	10.3	9.0	6.1	5.8	6.7	8.0					11.0	11.5
-288		14 33	14.2	11.9	10.6	11.3	10.5	8.1	8.6	9.9						11.8	13.2
-289		14 34	15.9	14.0	12.5	13.1	12.2	9.6	10.0	11.7						11.6	14.3
-290		14 37	11.6	9.9	8.0	8.8	8.2	6.3	6.8	8.4						12.6	11.5
-296		15 13	11.8	10.0	8.2	9.2	8.5	6.1	6.2	7.2						10.3	10.4
-297		15 25	9.1	7.4	6.0	6.3	5.1	3.0	3.7	5.6	6.9					10.2	8.0
AA-103-299	01 OCT 80	7 0	8.6	9.0	8.7	15.5	16.3	15.3								11.4	14.9
-300		7 2	6.7	7.0	9.5	13.1	17.0	14.0								11.4	13.8
-301		7 3	7.3	5.8	11.9	16.0	18.5	18.1	22.1	23.9						11.9	14.5
-302		7 5	6.2	4.8	11.1	13.3	17.7	14.7								10.8	12.7
-303		7 7	2.4	4.0	6.3	6.9	10.1	7.9	10.5	11.6						9.6	8.6
-309		7 32	8.9	3.5	2.8	5.8	9.6	9.5	10.6	10.8						10.3	9.4
-310		7 33	7.8	1.9	-.8	4.9	6.8	7.2	7.9	9.3	6.1					9.6	7.1
-311		7 35	5.5	-.2	-.7	6.7	8.5	8.2	10.8	7.8	5.6					9.5	6.8
-312		7 36	7.9	1.6	.0	6.2	11.0	9.8	10.4	10.5	10.1	6.5				10.3	8.2
-313		7 38	8.6	3.2	1.6	8.4	10.0	9.7	9.1	11.7	9.9	7.2				11.0	9.3
-319		7 59	12.7	5.0	-2.6	-6.4	-3.1	1.8	4.0	7.6	3.4					8.1	3.0
-320		8 0	13.6	6.0	-1.7	-6.5	-5.1	-1.3	1.1	6.5	4.2					7.8	2.3
-321		8 1	13.9	6.2	-1.4	-6.6	-6.2	-2.3	.5	5.1	3.8					7.4	1.8
-322		8 3	21.7	16.1	7.9	1.1	-2.3	-1.5	5.5	8.8	11.4	7.3				11.1	6.8
-323		8 8	25.5	20.2	12.9	6.9	3.7	3.1	8.6	14.5	11.7	7.9				13.1	11.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D43

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-304	01 OCT 80	7 17	-2.3	-5.1	-6.2	-5.3	-1.2	2.3	13.1	17.0	22.6	29.0	23.0	11.7	5.0	-.3	31.7
-305		7 19	-2.4	-5.0	-6.0	-4.9	-.4	5.2	8.9	10.9	13.2	17.6	8.4	-2.5	-3.8	-4.5	31.3
-306		7 21	-3.7	-5.9	-7.0	-5.9	-1.3	3.7	9.9	14.7	22.8	23.6	12.0	1.2	-.5	-2.1	31.7
-307		7 22	-3.0	-5.2	-6.0	-4.7	-.5	4.2	11.9	21.0	24.5	25.0	13.4	2.8	.6	-1.1	32.6
-308		7 24	-2.8	-5.0	-6.0	-4.9	-.5	4.2	11.1	19.0	21.1	22.9	13.2	2.8	3.6	-2.4	31.8
-314		7 44	-.8	-2.2	-2.9	-1.9	1.1	2.9	10.8	22.5	28.4	31.7	25.9	16.3	12.0	9.4	31.7
-315		7 46	-3.3	-4.2	-5.1	-3.8	-.6	1.9	11.6	21.8	25.3	29.4	23.7	15.0	11.3	7.7	31.3
-316		7 47	-3.3	-3.9	-4.7	-3.6	-.4	1.7	11.3	23.8	27.3	30.0	22.9	13.3	9.2	6.1	28.7
-317		7 49	-3.4	-4.3	-5.2	-4.1	-.8	2.1	13.1	23.1	26.3	31.3	23.6	14.5	10.0	4.9	26.4
-318		7 50	-3.4	-5.0	-5.9	-5.1	-1.6	.8	10.4	20.2	24.3	28.2	22.1	12.2	10.1	6.9	27.8
-324		8 15	-1.7	-3.2	-4.0	-2.4	.3	1.6	9.1	21.3	27.7	30.9	22.8	16.7	11.3	9.2	30.0
-325		8 17	-3.5	-4.8	-5.9	-4.8	-1.8	1.2	12.0	12.9	14.5	19.5	15.1	4.5	-.4	-1.2	33.6
-326		8 18	-3.3	-4.3	-5.2	-3.8	-1.2	.6	9.0	19.6	24.9	27.0	19.9	10.9	7.6	4.7	33.1
-327		8 20	-3.0	-3.9	-5.2	-3.9	-1.0	1.7	10.7	18.8	21.7	25.4	20.3	8.7	5.6	3.7	31.3
-328		8 22	-2.4	-3.5	-4.1	-2.7	-.2	2.1	8.9	16.7	22.5	28.8	21.2	9.6	6.1	2.6	30.4
-329		8 24	-1.5	-2.4	-3.7	-2.9	-.3	2.5	11.1	19.4	23.7	30.6	23.5	11.7	5.7	1.6	33.6
AA-105-330	16 DEC 80	7 29	.9	.2	-1.4	-1.6	-.7	-2.6	.8	7.0	17.2	31.7	32.8	24.6	21.5	15.6	29.5
-331		7 31	-.6	-1.1	-2.8	-3.0	-2.3	-3.7	.3	5.7	15.9	26.7	26.5	18.7	14.8	10.1	46.0
-332		7 34	1.4	.6	-1.3	-1.4	-.4	-1.8	1.0	6.3	16.6	30.3	33.1	24.9	22.1	16.9	33.5
-333		7 36	3.8	3.1	1.9	2.1	2.1	.4	2.7	7.0	16.7	31.2	35.3	28.8	27.5	22.7	34.4
-334		7 39	1.7	1.7	-.2	-.2	.4	-1.2	1.6	7.1	17.6	27.6	30.1	23.1	21.6	18.2	34.4
-335		7 41	2.7	2.5	1.6	2.2	3.5	1.8	4.1	9.6	19.5	32.0	32.9	25.1	23.7	19.9	33.5
AA-106-336		7 51	5.0	4.6	4.1	4.5	5.2	4.7	5.5	9.3	15.7	25.3	30.4	28.5	27.1	23.2	32.7
-337		7 53	4.5	4.3	3.5	4.6	5.5	5.0	6.6	10.3	16.6	26.4	32.0	29.7	28.2	24.4	34.0
-338		7 56	5.6	5.3	5.2	6.1	6.8	6.2	7.6	11.7	17.7	26.9	30.8	29.5	28.6	25.3	37.6
-339		8 7	4.2	3.3	2.6	3.5	4.4	3.6	4.2	7.4	13.0	22.0	28.2	28.4	27.3	22.5	32.3
-340		8 9	6.0	5.3	4.9	6.2	7.8	6.9	8.1	11.5	17.3	26.5	31.4	30.2	28.8	25.0	35.4
-341		8 11	5.7	4.8	4.4	5.2	6.0	5.1	6.0	9.9	15.4	24.2	29.8	29.1	27.9	24.1	33.6
AA-105-342	17 DEC 80	8 2	.5	-.1	-1.6	-2.0	-1.7	-3.6	.0	7.4	21.2	33.7	38.0	30.1	23.3	14.5	34.5
-343		8 8	.0	.0	-1.7	-2.0	-1.6	-3.5	.3	7.5	19.8	33.2		32.6	29.3	24.0	35.4
-344		8 10	.0	-.1	-1.7	-1.9	-1.5	-3.5	.5	7.7	20.5	33.7		34.4	30.4	26.3	34.5
-345		8 12	.2	.2	-1.5	-1.8	-1.3	-3.4	.5	7.7	21.1	33.1		33.1	32.5	26.1	44.4
-346		8 14	.9	.7	-1.1	-1.4	-1.0	-3.1	.4	7.9	20.9	33.8		31.5	27.4	22.1	33.2
-354		13 13		5.4	5.8	7.8	10.0	9.2	11.9	15.9	22.2	31.1	32.8	30.0	30.9	29.8	49.3
-355		13 17		4.8	5.3	7.3	9.7	8.3	10.9	14.6	21.0	28.6	30.2	28.3	29.1	28.3	35.0
-356		13 18	3.5	6.2	6.8	8.8	10.9	10.4	13.3	18.3	24.7	31.1	31.9	28.9	30.0	29.0	34.5
-357		13 20		4.8	4.3	6.2	8.3	7.6	11.0	14.7	21.4	29.8	30.6	27.7	29.5	29.0	34.5
-358		13 22									28.5			31.7	32.8	31.6	34.5
-359		13 23		5.9	6.3	9.8	13.2	12.8	16.7	22.4	27.0	32.3	32.5	29.2	30.6	29.5	33.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
ONEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE E43

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-304	01 OCT 80	7 17	-.5	-3.1	-5.2	.6	-.3	-3.0	1.0	3.9	3.4					4.6	-.4
-305		7 19	-5.9	-8.8	-9.1	-6.6	-8.1	-8.9	-5.2	-6.1	-8.6	-11.4	-16.2			-.3	-7.0
-306		7 21	-4.1	-4.0	-5.3	-4.6	-3.0	-2.0	.6	1.5	1.4					3.4	-2.0
-307		7 22	.4	-4.8	-6.6	-5.3	-1.5	.3	3.5	6.6						4.2	-1.5
-308		7 24	-4.0	-4.5	-4.6	-2.6	-3.7	-4.6	-2.2	-.1	-3.4	-5.4				3.6	-2.3
-314		7 44	7.8	6.7	.6	.8	.5	5.6	5.0	7.0	5.5	1.2				8.5	4.5
-315		7 46	5.5	4.3	-.8	-.4	5.7	4.0	5.0	9.2	2.6					7.3	4.2
-316		7 47	3.9	4.4	-.7	1.8	6.0	3.8	4.8	7.5	2.7					7.7	4.4
-317		7 49	1.2	-.6	1.2	.3	6.8	1.6	1.4	3.2	.5					6.7	2.8
-318		7 50	4.3	.9	1.2	3.6	5.3	4.0	.7	4.4	.6	-1.6				6.6	3.9
-324		8 15	6.5	1.7	-2.9	-.9	5.3	1.0	-.6	2.4	1.5	-2.8				6.8	2.0
-325		8 17	-2.0	-5.0	-6.3	-2.6	-3.1	-6.6	-5.1	-4.0	-4.8	-6.2				3.2	-3.0
-326		8 18	1.5	-3.0	-4.3	-1.0	.6	-1.0	-3.1	2.2	.2	-1.9				5.2	.0
-327		8 20	1.0	-2.6	-5.5	-6.0	-4.6	-4.5	-4.0	-2.9	-1.3	-4.6				4.0	-2.5
-328		8 22	.1	-2.7	-3.4	-.7	-.8	-2.3	-3.3	-.4	.0	-2.4				5.5	-.2
-329		8 24	-1.8	-4.1	-3.1	-.8	-1.8	-3.4	-3.9	1.3	-1.0	-2.5				5.2	-.7
AA-105-330	16 DEC 80	7 29	12.2	8.7	6.6	6.4	7.5	7.1	5.9							7.3	11.0
-331		7 31	8.4	7.6	4.3	6.2	5.2	1.5	2.3	-.6						5.8	6.9
-332		7 34	11.9	6.5	5.2	6.4	6.7	5.8	3.6							7.3	9.9
-333		7 36	17.3	11.3	6.9	6.1	6.0	7.5	6.5							9.0	11.6
-334		7 39	14.4	10.1	7.2	5.7	5.7	5.7	4.2							7.9	10.4
-335		7 41	15.3	11.5	11.7	10.0	10.7	9.5								10.9	14.6
AA-106-336		7 51	20.5	17.8	16.9	16.9	14.4	12.1	8.8							11.3	16.0
-337		7 53	21.7	19.8	19.2	19.2	17.2	15.1								11.9	19.1
-338		7 56	22.9	20.8	19.6	19.4	17.8	15.7	15.3	14.3						13.2	18.7
-339		8 7	20.1	17.5	16.4	16.1	13.9	11.9								9.6	16.2
-340		8 9	22.0	20.2	19.4	18.9	17.2	15.3	15.3	13.3						13.2	18.3
-341		8 11	21.3	20.0	18.8	18.1	16.7	14.5								11.8	18.6
AA-105-342	17 DEC 80	8 2	7.8	2.6	4.4	3.5	10.4	4.0								6.3	8.5
-343		8 8	20.7	11.6	7.3	9.8	14.1	6.3								7.1	13.9
-344		8 10	21.0	10.3	5.9	9.9	14.8	6.3								7.1	13.7
-345		8 12	17.9	7.0	2.1	15.5	13.0	7.4								7.2	12.3
-346		8 14	15.6	5.5	1.7	12.9	11.0	7.3	4.5							7.3	10.5
-354		13 13	28.3	26.0	25.0	23.9	22.2	20.2								18.4	25.6
-355		13 17	26.5	24.2	23.7	23.4	22.2	20.2								17.2	24.6
-356		13 18	27.6	25.1	24.3	24.0	22.3	20.2								19.6	25.6
-357		13 20	27.5	25.3	25.0	24.7	23.0	21.0								17.2	25.4
-358		13 22	30.4	27.9	27.5		25.7	23.8								32.2	30.0
-359		13 23	28.5	25.6	25.4	25.6	23.5	21.4								21.6	26.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D44

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-367	08 JAN 81	10 30	-2.3	-2.9	-2.6	2.7	13.7	24.9	32.1	35.5	34.9	30.6	23.8	17.3	15.0	12.0	35.4
-368		10 31	-2.1	-2.8	-2.3	3.0	14.4			33.6	32.8	28.6	23.9	17.9	18.0	13.3	37.6
-369		10 34	-1.7	-2.4	-1.8	3.9	15.8	25.9	31.4	37.6	36.2	33.5	29.2	23.8	23.8	19.2	34.5
-370		10 35	-1.0	-2.1	-1.8	3.7	15.5			36.4	36.3	32.8	28.2	24.7	20.4	14.1	35.4
-371		10 37	-1.2	-2.1	-1.4	4.4	16.8			35.8	37.4	34.3	28.7	25.1	20.5	16.6	35.4
-372		10 39		-2.0	-1.6	4.1								23.4	24.1	22.5	34.9
-373		10 41		-1.5	-1.2	4.2									23.2	21.5	35.4
-374		10 43		-1.2	-.7	5.1									25.3	22.3	34.5
-375		10 45	-1.4	-2.4	-1.6	3.5	13.9	19.8	25.9	32.4	32.5	28.3	23.3	18.2	18.5	14.9	36.8
-376		10 46	-.8	-2.0	-1.5	4.1	16.8				37.3	32.2	28.0	23.2	21.0	17.4	36.8
-377		10 48	-.8	-1.8	-1.3	4.5	16.0	25.8	23.6	38.8	36.9	33.3	28.6	23.5	19.6	13.6	34.6
AA-105-378	09 JAN 81	8 48	-2.5	-3.0	-2.2	5.7	20.6	17.9	18.7	21.6	21.7	18.4	16.5	18.5	17.6	14.8	35.4
-379		8 50	-2.2	-2.6	-1.8	6.1	19.2	21.3	21.9	21.9	23.4	20.3	18.8	20.5	18.6	18.0	35.9
-380		8 51	-2.0	-2.3	-1.5	6.3	19.6	23.7	18.2	20.3	18.5	17.0	15.8	13.2	10.9	9.7	35.4
-381		8 52	-1.3	-1.8	-1.0	6.5	22.5	19.9	21.1	22.5	26.1	25.0	19.9	17.0	18.3	16.3	36.3
-382		8 57	-1.8	-1.8	-1.1	6.0	19.0	25.1	25.9	29.5	30.5	27.5	24.0	17.6	18.5	18.3	35.4
-383		8 58	-1.8	-1.7	-1.0	6.0	20.2	30.5	26.8	26.7	29.2	26.7	23.7	20.6	18.1	14.6	36.7
-384		8 59	-1.6	-1.5	-.9	5.9	20.0	31.3	26.7	27.0	30.3	24.1	21.6	19.8	20.2	17.6	37.6
-385		9 1	-1.9	-1.8	-1.3	6.1	20.6	28.5	29.8	31.0	28.3	22.1	20.8	17.2	15.3	14.2	35.4
-386		9 2	-2.1	-2.2	-1.5	5.8	20.1	27.7	30.4	31.3	29.9	23.5	19.6	17.0	15.6	12.5	37.6
-387		9 3	-1.9	-2.0	-1.2	6.2	20.6	25.5	28.1	30.3	28.3	24.8	21.1	18.8	16.3	15.7	39.9
-388		14 9	-.7	-.1	.1	5.7	17.7		25.0		37.1	34.5		27.3	25.9	24.0	36.7
-389		14 12	-.6	.0	.4	5.8	18.2		25.9		37.5	34.3	27.6	26.7	26.0	23.6	32.7
-390		14 14	-1.8	-1.0	-.7	5.2	16.8			34.0	35.5	31.8	26.9	23.7	23.0	21.1	30.9
AA-106-391		14 38	-3.1	-4.3	-2.4	4.2	19.9	22.9	25.5	29.7	30.7	24.8	18.7	15.2	12.3	8.6	15.7
-392		14 42	-3.1	-4.4	-2.1	4.7	20.0	21.5	22.9	26.7	26.6	19.5	13.9	10.3	7.1	3.2	37.2
-393		14 44	-3.1	-4.5	-2.6	4.3	20.3	22.4	24.2	26.5	27.4	20.7	14.2	10.2	6.0	2.2	32.7
-394		14 45	-2.9	-4.3	-2.1	4.3	20.8	25.8	26.9	29.2	30.6	24.4	17.0	12.8	8.7	5.3	37.2
-395		14 47	-3.2	-4.4	-2.0	4.1	20.7	26.0	24.7	27.9	30.0	23.5	16.3	13.1	10.6	7.4	35.4
-396		14 49	-3.0	-4.3	-2.2	4.6	21.1	23.7	25.8	28.1	27.6	20.8	14.3	11.0	9.0	5.5	36.7
-397		14 50	-2.1	-3.8	-1.8	4.3	21.1	25.5	26.6	28.4	29.3	23.4	17.3	13.2	10.4	7.1	38.5
-398		14 52	-2.4	-4.1	-2.1	4.3	20.6	23.8	26.0	28.4	27.8	21.6	15.4	11.7	8.6	5.2	36.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-367	08 JAN 81	10 30	10.3	6.3	3.5	1.2	-.3	2.1	4.5							9.0	5.3
-368		10 31	7.1	2.8	1.3	.5	.9	3.1	4.2							8.7	4.5
-369		10 34	14.4	9.0	7.0	7.8	6.5	7.2								12.2	10.8
-370		10 35	7.6	1.5	.7	2.9	1.5	2.3								9.1	4.8
-371		10 37	13.4	9.1	5.5	5.1	8.5	9.8								11.9	9.9
-372		10 39	21.0	17.0	14.8	11.3	7.1	8.1								13.7	14.5
-373		10 41	16.0	7.9	2.5	1.3	4.7	5.9								10.8	6.7
-374		10 43	17.7	10.8	6.6	5.8	8.6	7.7								13.2	10.7
-375		10 45	12.7	8.5	6.5	7.2	6.4	3.2								11.4	9.5
-376		10 46	12.6	7.8	6.8	7.3	6.9									12.4	10.7
-377		10 48	7.8	3.1	1.9	2.3	1.4	.7	3.3	.3	-2.8					8.9	4.0
AA-105-378	09 JAN 81	8 48	13.5	11.1	10.4	9.5	6.4	4.3	2.9	2.3	2.9	7.0	4.6			10.1	9.2
-379		8 50	16.5	13.5	14.2	13.8	13.0	12.3	10.7	9.3	6.2	6.2				11.6	14.1
-380		8 51	11.6	10.6	12.3	13.0	10.9	9.9	9.7	7.6	4.9					10.4	11.3
-381		8 52	15.8	13.8	14.1	13.0	9.1	6.2	3.9	.2	-3.4	-3.0	-1.0			10.3	7.9
-382		8 57	16.5	15.9	15.4	16.2	13.9	12.6	12.0	10.2	6.6					11.6	15.5
-383		8 58	13.6	11.7	12.2	13.5	12.2	12.5	12.3	10.5						11.2	14.0
-384		8 59	16.0	15.8	17.6	19.3	18.1	18.4								11.9	18.5
-385		9 1	14.9	12.4	14.0	15.1	14.0	13.7	13.3	11.4						10.7	14.8
-386		9 2	9.9	10.2	10.4	9.9	7.6	7.8	8.3	7.3						9.2	11.5
-387		9 3	13.5	13.4	14.2	13.8	11.4	10.3	7.5	5.1	2.6	2.7				11.2	12.1
-388		14 9	22.4	20.3	19.9	19.4	16.6	14.0								15.9	20.6
-389		14 12	21.7	19.4	18.7	18.7	16.0	12.5								15.9	19.7
-390		14 14	18.7	16.8	16.3	16.5	13.8	11.1								15.1	17.3
AA-106-391		14 38	4.3	1.7	.2	-1.4	-4.8	-7.1	-7.1	-9.3						2.1	-2.4
-392		14 42	-1.6	-4.1	-4.5	-4.5	-6.6	-9.3	-10.7	-12.8	-20.8					-3.5	-8.4
-393		14 44	-2.7	-4.2	-4.3	-3.7	-6.4	-9.9	-12.0							-.4	-4.9
-394		14 45	1.3	-1.3	-2.1	-2.3	-5.6	-8.9	-9.3	-10.3						.6	-3.9
-395		14 47	4.0	.7	-.9	-2.2	-5.2	-8.9	-8.7	-10.2						1.2	-3.6
-396		14 49	1.0	-1.9	-2.8	-2.9	-6.9	-10.7	-12.7	-13.6	-21.6					-3.9	-8.8
-397		14 50	2.8	-.4	-2.4	-3.0	-4.7	-7.8	-7.5	-8.2						1.4	-3.1
-398		14 52	.8	-1.2	-2.2	-2.6	-4.7	-7.0	-8.7	-9.0						1.1	-3.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D45

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-399	13 JAN 81	8 7	3.3	4.2	4.6	9.4	20.0	32.9	38.3		42.1	39.7	35.4	33.5	32.0	29.5	35.8
-400		8 11	3.2	3.9	4.7	8.9	19.7	30.8	37.1	37.8	40.7	37.8	33.2	30.8	29.8	26.9	36.3
-401		8 13	2.9	3.7	4.3	8.6	19.8	32.2	36.1	37.7	39.0	38.1	33.2	31.0	30.0	27.1	35.4
-402		8 14	2.7	3.6	4.1	8.7	19.9	31.8	35.4	36.1	37.1	36.7	32.1	30.1	29.1	26.3	34.5
-407		8 35	2.3	3.8	4.3	9.2	19.3	31.5	38.5	38.0	39.3	37.3	33.3	31.2	30.5	27.9	34.5
-408		8 37	1.9	3.5	3.9	8.8	19.3	32.2	36.2	37.4	39.1	36.5	32.5	30.3	29.2	26.6	34.5
-409		8 38	1.7	3.2	3.7	8.5	18.6		35.5	35.8	37.3		31.2	29.5	28.4	25.5	35.4
-413		13 7	5.0	4.6	5.1	9.6	20.3	31.7			42.4	41.3	37.6	34.0	34.0	31.2	37.6
-414		13 11	4.5	4.2	4.8	9.4	19.5				41.1	39.0	34.8	30.4	30.8	27.5	35.8
-415		13 14	4.7	4.3	4.7	9.1	19.2	32.3	39.8	39.0	42.3	39.9	36.5	32.7	32.1	29.2	34.5
-416		13 16	5.4	5.3	5.7	10.3	19.6	31.5	38.4		43.9	41.6	38.2	34.1	34.4	31.0	35.8
-417		13 18	4.2	4.0	4.4	9.0	18.6	32.3	38.4	40.1	41.6	40.8	36.5	34.0	33.8	30.7	35.4
AA-106-418		13 31	-2.0	-3.2	-1.4	5.5	21.6	25.0	25.4	26.8	27.1	21.0	14.9	8.9	5.6	2.1	34.1
-419		13 35	-2.1	-3.4	-1.7	5.0	22.3	23.1	24.3	25.9	26.5	21.4	16.4	11.7	8.7	5.2	35.9
-420		13 37	-.9	-2.5	-.7	6.5	20.7	22.4	25.1	25.4	23.9	21.5	15.5	7.6	3.3	-.2	18.4
-421		13 39	-2.5	-3.6	-1.7	5.2	20.9	22.2	24.3	26.2	24.8	20.7	15.6	9.8	6.7	4.5	34.5
-422		13 40	-2.8	-3.8	-1.9	5.1	21.7	24.7	25.0	25.7	23.5	19.7	12.9	6.8	3.2	.4	35.8
-423		13 42	-2.5	-3.8	-1.8	4.6	20.7	22.2	25.4	27.7	28.7	23.4	17.5	12.3	9.8	6.4	38.5
AA-105-424	15 JAN 81	8 19	-1.7	-1.5	-1.2	4.5	15.9	28.4	37.1	38.3	37.6	33.6	28.1	23.8	22.4	20.0	34.6
-425		8 21	-1.3	-1.2	-.8	5.0	16.5	26.3	30.7	32.3	32.6	27.7	22.0	19.9	19.1	14.7	35.5
-426		8 22	-.9	-1.1	-.8	4.6	16.5	29.0	34.8	37.2	38.9	34.1	27.5	24.4	24.6	21.7	35.4
-427		8 23	-.2	-.9	-.4	5.1	17.1	28.9	35.5	37.3	37.2	33.5	27.6	24.1	23.5	21.1	35.4
-428		8 25	-.2	-.7	-.1	5.6	17.9	28.1	34.6	36.3	36.9	32.8	26.5	22.7	21.4	18.5	34.5
AA-106-429		8 33	-1.4	-3.2	-2.1	3.6	20.6	31.2	32.1	31.2	30.5	24.0	20.3	17.4	15.9	15.6	35.4
-430		8 34	-1.7	-3.4	-2.2	3.3	20.5	31.6	31.7	31.9	31.4	26.9	24.5	21.5	19.0	18.1	34.5
-431		8 36	-1.7	-3.6	-2.2	3.6	20.9	30.5	30.6	30.9	29.7	26.5	21.7	20.3	16.4	16.0	35.4
-432		8 37	-2.1	-3.7	-2.3	3.1	20.2	31.5	30.0	30.1	32.4	28.4	24.2	20.5	18.2	17.3	34.0
-433		8 39	-1.9	-3.5	-2.2	3.8	21.2		27.8	25.5	22.8	21.2	18.8	16.9	15.5	15.0	35.4
AA-105-441	04 FEB 81	8 22		2.5	1.0	.8	3.6	5.3	14.4	24.1	29.7	31.9	28.1	22.3	21.2	19.1	36.3
-442		8 23	.7	.9	-.4	-.9	1.7	3.1	12.5		28.3	32.3	28.4	21.7	20.1	17.6	30.9
-443		8 27	1.8	1.3	.2	.4	2.9	4.9	15.1	25.4	29.9	31.7	28.4	23.1	22.2	20.2	32.7
-444		8 28	1.9	1.0	-.2	-.3	2.7	4.4	14.3	24.0	28.8	31.9	28.3	22.4	20.7	19.1	37.6
-445		8 30	2.4	1.8	.7	.4	2.7	4.4	14.9	24.0	29.5	31.3	27.8	21.7	20.5	18.8	37.1
AA-106-446		8 38	-.9	-4.2	-4.9	-5.7	-.4	4.8	12.3	16.3	20.1	21.3	11.0	.2	-1.9	-5.2	28.6
-447		8 40	-.5	-3.8	-4.0	-4.4	.3	5.9	13.3	17.9	21.1	21.9	11.4	2.2	1.5	-1.7	37.6
-448		8 41	-1.2	-4.4	-4.8	-5.7	-1.3	3.8	13.0	20.5	24.4	21.6	7.3	-2.4	-3.4	-4.1	37.6
-449		8 43	-.5	-3.3	-3.9	-4.5	-.5	4.2	14.8	22.0	27.1	26.9	14.7	5.1	1.6	-2.5	37.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-399	13 JAN 81	8 7	27.9	27.0	26.4	25.0	21.2	17.2								22.3	25.5
-400		8 11	25.5	24.2	23.6	23.0	19.0	15.6								21.8	23.3
-401		8 13	25.6	24.7	24.1	23.0	18.9	15.1								21.8	23.4
-402		8 14	24.8	23.4	22.7	21.9	17.9	14.1								21.2	22.2
-407		8 35	26.1	25.1	24.2	23.5	19.6	15.8								21.2	23.7
-408		8 37	25.0	24.1	23.4	22.9	19.1	15.3								20.8	23.1
-409		8 38	23.8	23.3	22.6	21.9	18.1	14.5								20.2	22.2
-413		13 7	29.4	29.2	29.0	28.2	25.5	22.2								22.7	28.9
-414		13 11	26.3	26.0	26.0	24.5	21.1	18.1								22.0	25.2
-415		13 14	27.8	27.6	27.5	26.8	24.2	21.5								22.0	27.7
-416		13 16	29.8	29.3	29.6	28.4	25.4	22.5								23.2	29.1
-417		13 18	29.2	28.4	28.3	27.6	24.5	21.6								21.8	28.3
AA-106-418		13 31	-1.6	-3.1	-.3	.1	-2.5	-3.2	-7.6	-9.7						2.5	-2.2
-419		13 35	1.3	-.7	2.0	3.2	2.3	1.4	-.6							6.5	2.9
-420		13 37	-1.2	-.9	-1.4	.3	-1.4	-2.7	-7.4	-9.8						2.8	-2.1
-421		13 39	2.1	1.1	2.9	3.5	3.4	2.1	-.1							7.2	3.7
-422		13 40	-2.8	-4.8	-4.1	-2.1	-2.9	-3.1	-7.4	-14.0						1.1	-4.5
-423		13 42	2.8	-.4	-.3	1.6	-.5	-1.4	-2.4							6.1	1.7
AA-105-424	15 JAN 81	8 19	17.0	14.4	14.8	15.5	12.0	7.9								14.6	15.7
-425		8 21	11.3	8.3	8.1	8.1	5.0	.8	-2.7							11.6	7.4
-426		8 22	18.5	16.4	15.6	14.8	11.1	7.2								15.5	15.7
-427		8 23	18.2	15.8	16.2	16.0	13.0	9.1								15.5	16.8
-428		8 25	16.0	14.1	13.5	13.3	9.7	6.0	3.0							14.9	12.8
AA-106-429		8 33	11.9	10.3	9.4	6.9	3.0	-1.7	-5.7	-8.8	-15.6					1.6	-2.4
-430		8 34	15.8	14.7	13.2	10.4	4.7	-.6	-4.5	-8.1	-16.7					1.5	-2.6
-431		8 36	12.3	9.6	7.9	4.4	-.7	-5.1	-8.8	-11.8	-17.2					-.3	-4.4
-432		8 37	12.7	11.5	9.5	5.9	.5	-4.6	-8.6	-11.9	-16.7					-.1	-4.3
-433		8 39	11.8	9.2	7.0	2.9	-2.3	-7.6	-11.4	-12.5	-15.6					-.5	-4.8
AA-105-441	04 FEB 81	8 22	18.6	18.5	19.2	19.9	19.7	20.4								13.1	20.3
-442		8 23	17.1	15.6	16.0	15.6										11.4	18.5
-443		8 27	19.2	18.3	18.6	19.6	19.4	19.9								13.3	20.4
-444		8 28	17.8	16.9	17.5	18.4	18.5	19.2								12.6	19.2
-445		8 30	17.4	16.6	16.7	17.8	17.2	17.9								13.1	18.6
AA-106-446		8 38	-5.5	-5.4	-3.6	-1.7	-1.2	1.6	3.5	3.9						2.8	-2.0
-447		8 40	-4.3	-4.8	-4.2	-1.1	.0	2.4	5.7	5.1						3.9	-1.0
-448		8 41	-5.6	-5.4	-4.4	-2.5	-1.2	1.1	4.2	4.2						2.1	-2.2
-449		8 43	-4.4	-4.0	-2.4	.4	-.1	3.1	5.8							4.3	-.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE D46

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-450	12 FEB 81	13 10	1.1	.6	-1.0	-.4	2.9	4.2	16.1	29.1	33.5	35.2	30.6	26.1	26.0	23.7	32.7
-451		13 12															28.2
-452		13 29	2.0	1.4	.2	.4	3.8	4.7	16.0		35.8	37.6	33.6	28.5	28.7	25.6	28.2
-453		13 32	2.4	1.9	.6	1.1	4.2	4.9	15.5	28.7	37.6	39.2	34.7	30.2	30.5	27.3	34.5
-454		13 48	1.7	1.4	.1	.8	4.1	5.2	15.8	29.2	34.4	35.9	33.0	26.8	27.4	25.1	38.9
AA-106-455		13 56	-.2	-2.4	-3.3	-3.7	1.4	6.0	17.8	25.2	28.0	29.4	20.9	11.7	9.6	7.2	34.0
-456		13 58	.7	-1.8	-2.5	-3.2	1.5	5.4	18.8	27.7	31.6	31.5	25.0	15.3	14.8	12.4	35.4
-457		14 1	-1.3	-3.7	-4.5	-4.3	1.1	7.0	16.8	23.4	25.3	26.3	20.0	10.9	8.5	4.9	34.4
-458		14 6	.7	-1.7	-2.4	-3.2	1.7	5.7	18.7	28.2	29.7	29.8	24.1	16.2	14.5	12.5	20.6
AA-105-469	25 FEB 81	12 59	3.8	3.7	2.8	3.6	4.4	4.3	5.6	7.1	12.3	22.2	30.7	28.9	28.7	26.5	34.5
-470		13 1	2.3	2.6	1.4	1.5	2.1	1.7	2.4	4.2	8.8	18.7	26.0	25.5	26.2	23.4	32.7
-471		13 2	2.8	2.7	1.2	1.6	2.5	1.2	2.6	4.4	10.6	19.9	26.9	26.6	27.1	24.7	15.2
-472		13 4	1.7	2.0	.6	.5	1.3	.2	1.2	3.4	9.2	19.8	26.5	24.6	24.6	21.1	34.4
-473		13 5	3.9	4.5	3.2	4.0	6.1	4.7	5.5	8.6	14.6	23.3	29.2	27.7	29.2	26.8	25.5
AA-106-464		8 33	3.6	2.3	1.5	1.2	3.1	.4	1.7	6.1	13.9	25.8	31.0	26.8	25.5	21.0	30.8
-465		8 34	3.4	2.2	1.6	1.6	3.9	1.4	3.2	7.7	15.0	26.9	32.4	28.6	26.4	21.8	33.5
-466		8 36	3.2	2.1	1.4	1.1	2.8	.1	.8	5.2	13.2	26.4	30.7	27.8	24.6	19.1	33.5
-467		8 37	4.1	3.3	2.3	1.9	3.6	.4	1.5	6.1	14.5	28.0	31.3	28.7	26.4	21.6	34.4
-468		8 39	4.1	2.9	1.8	1.8	3.9	1.1	2.2	6.7	14.5	26.9	31.7	30.1	28.0	23.4	33.1
-474		13 16	3.5	3.1	2.1	2.2	4.0	1.3	2.3	5.1	10.8	18.6	22.8	21.0	22.3	20.2	34.4
-475		13 18	2.2	2.3	1.6	2.2	4.3	1.7	3.3	6.8	12.8	21.2	24.1	23.7	24.9	21.8	33.6
-476		13 19	1.8	1.2	.7	1.4	3.5	1.3	2.8	6.5	12.5	19.7	22.4	20.7	23.3	21.0	33.1
-477		13 26	2.8	2.4	1.2	1.7	4.0	2.2	3.5	6.7	12.9	22.2	26.8	24.7	24.4	22.0	35.4
-478		13 29	4.0	3.9	2.9	4.2	5.8	4.0	6.3	10.6	18.0	26.6	25.3	22.9	25.1	23.2	24.6
AA-105-479	27 FEB 81	7 15	-.9	-3.0	-5.1	-6.0	-4.7	-7.3	-1.5	4.9	16.9	26.8	26.5	15.1	10.0	5.1	34.5
-480		7 17	-.9	-2.9	-5.4	-6.3	-5.0	-7.5	-1.6	5.3	16.4	27.2	24.3	12.8	9.1	6.5	34.4
-481		7 18	-.3	-2.7	-4.8	-6.1	-4.8	-7.3	-1.6	5.4	16.8	29.4	28.6	16.5	10.5	7.0	34.5
-482		7 20	-.6	-2.6	-4.8	-5.9	-4.6	-7.2	-1.5	5.6	17.0	29.4	29.8	19.3	12.0	6.3	34.5
-483		7 21	-1.1	-3.0	-5.3	-6.1	-5.0	-7.3	-1.4	5.5	16.8	29.4	29.2	18.1	11.7	7.4	33.6
-489		7 43	-.7	-2.8	-5.0	-6.0	-4.8	-6.6	-1.3	4.4	15.1	27.0	24.1	15.1	15.0	6.9	31.8
-490		7 45	-.6	-2.7	-4.9	-5.8	-4.6	-6.5	-1.4	4.6	14.4	25.5	22.4	15.1	14.0	6.1	34.5
AA-106-485		7 29	1.9	.3	-.7	-1.0	1.4	-1.8	.1	6.3	18.0	27.1	31.6	28.7	25.1	20.9	34.0
-486		7 31	1.9	.4	-1.0	-1.3	.8	-2.3	.8	7.7	19.0	25.9	30.9	26.0	21.8	16.9	34.4
-487		7 32	1.7	.1	-1.1	-1.6	.4	-2.2	.1	6.4	17.6	24.1	28.4	23.6	18.3	12.6	35.3
-488		7 34	2.0	.6	-.2	-.5	1.6	-1.3	.8	7.0	18.8	24.8	30.3	28.2	24.4	20.1	34.4
-491		7 51	5.3	3.8	3.5	3.7	6.2	3.0	4.5	8.0	15.0	26.1	33.1	29.0	27.1	25.6	35.8
-492		7 53	5.4	4.2	3.9	3.4	6.0	3.0	4.5	8.4	15.6	27.3	33.1	28.1	26.0	24.4	36.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-450	12 FEB 81	13 10	22.9	22.2	23.4	24.8	24.0	24.2								13.0	24.2
-451		13 12															
-452		13 29	24.8	23.9	23.5	24.1	23.6	23.2								13.8	25.0
-453		13 32	26.7	25.7	26.9	27.9	27.1	26.6								14.3	27.2
-454		13 48	23.1	21.6	22.3	22.8	21.3	20.8								14.1	23.5
AA-106-455		13 56	4.0	1.9	1.7	1.7	.4	-1.0	-1.2							7.4	3.5
-456		13 58	10.0	8.5	6.6	5.2	2.3	.4	-1.4							8.3	5.8
-457		14 1	2.3	-.3	-1.1	-.9	-2.1	-2.6	-4.0							6.4	.9
-458		14 6	10.6	7.9	5.3	4.1	1.4	-1.4								8.5	5.8
AA-105-469	25 FEB 81	12 59	23.5	19.7	18.7	17.0	13.6	11.7								11.3	18.6
-470		13 1	20.6	16.8	15.8	14.2	11.2	9.1								8.2	15.5
-471		13 2	21.9	18.9	17.9	16.4	13.0	10.9								8.8	17.1
-472		13 4	16.4	11.8	9.8	7.6	5.0	2.7								7.1	11.0
-473		13 5	24.3	21.2	20.2	18.7	15.3	13.7								12.4	20.0
AA-106-464		8 33	15.6	10.7	8.4	7.3	3.8	.8	-1.6	-6.0						7.3	5.2
-465		8 34	17.5	12.8	11.4	11.7	9.5	6.1	3.6							9.1	12.0
-466		8 36	13.3	8.4	6.6	4.2	-.3	-4.1	-6.7	-11.4						5.6	.9
-467		8 37	16.9	12.2	10.9	10.7	7.5	3.6	1.2	-3.0						7.8	8.2
-468		8 39	18.8	15.2	12.8	12.6	9.9	6.1	4.4							8.8	12.5
-474		13 16	17.5	13.0	10.6	10.8	8.5	5.6	5.2							7.8	11.8
-475		13 18	17.4	12.0	10.5	11.2	9.6	7.2	5.1							8.9	12.4
-476		13 19	17.6	13.6	11.4	11.4	9.8	6.7	5.4							8.5	12.6
-477		13 26	18.4	14.0	11.3	10.9	8.3	5.8								8.9	12.8
-478		13 29	20.5	16.5	14.4	13.9	12.3	10.1								11.9	16.7
AA-105-479	27 FEB 81	7 15	3.3	.0	.8	4.5	-1.5	-1.9	-1.7	-5.5						3.9	2.6
-480		7 17	3.5	.8	2.2	4.4	-1.0	-1.4	-2.1	-5.3						4.0	3.0
-481		7 18	4.8	1.7	3.0	6.8	2.0	1.9	2.3							4.8	6.2
-482		7 20	6.6	3.0	4.4	7.2	2.8	3.4	2.7							4.9	7.1
-483		7 21	6.8	2.8	5.0	7.6	3.4	3.2	2.8							5.1	7.4
-489		7 43	3.8	-.4	-1.4	.0	-.1	-2.5	-2.6	-4.5						3.8	2.6
-490		7 45	4.1	-1.3	-2.1	-2.8	-1.0	-3.1	-3.9	-4.8						3.7	1.8
AA-106-485		7 29	16.1	13.4	12.5	12.4	10.6	8.7	4.4							7.1	12.8
-486		7 31	12.8	9.2	8.2	7.5	5.5	3.9	3.1	.1						6.9	8.7
-487		7 32	9.3	5.3	2.8	1.3	-2.1	-4.1	-4.6	-5.6						5.6	2.3
-488		7 34	18.1	15.2	13.1	12.7	10.1	8.3	6.1							7.7	13.7
-491		7 51	22.7	19.5	19.2	19.2	17.1	15.4								10.1	18.5
-492		7 53	20.7	17.8	12.3	11.9	12.6	11.4								10.3	15.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
ESA STATISTICS:																	
MINIMUM			-3.7	-7.2	-8.0	-8.1	-9.6	-7.5	-6.4	-3.6	-.9	6.6	7.3	-2.5	-3.8	-9.4	15.2
MAXIMUM			13.1	15.4	15.8	18.3	22.5	32.9	39.8	40.1	43.9	43.6	43.6	39.8	41.3	39.5	49.3
AVERAGE			1.3	1.0	.2	1.6	5.1	6.4	10.9	16.6	24.1	30.1	29.2	23.3	21.2	17.9	31.7
STANDARD DEVIATION			2.8	3.6	3.8	4.6	7.7	9.6	9.6	9.1	7.9	6.6	7.2	8.2	9.2	9.6	4.6
NUMBER OF DATA POINTS			338	346	347	348	345	335	338	335	345	341	333	346	348	348	350

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 753 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 753 M

DATE 02 FEB 87
PAGE E47

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
ESA STATISTICS:																	
MINIMUM			-6.9	-8.8	-9.1	-6.6	-8.5	-10.7	-12.7	-14.0	-21.6	-11.4	-16.2			-3.9	-8.8
MAXIMUM			38.1	36.3	34.8	33.6	32.2	29.2	28.5	29.1	12.4	7.9	4.6			32.2	34.8
AVERAGE			14.9	12.3	10.7	10.5	9.8	8.1	5.9	5.9	1.1	-1.0	-5.4			10.3	11.9
STANDARD DEVIATION			9.7	9.8	9.7	9.3	8.9	8.4	7.8	8.3	6.5	4.7	7.0			5.8	9.0
NUMBER OF DATA POINTS			348	348	348	345	345	340	254	207	108	49	9			349	349

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D48

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-034	29 NOV 79	11 1			11.3	13.7		17.2	19.0	20.1	21.3	24.2	26.2	23.1	21.2	20.2	17.5
AA-101-036	06 DEC 79	11 14	3.4	2.0	.4	2.3	1.5	3.0	6.5	13.9	23.3	32.6		31.4	27.2	22.6	19.2
-037		15 15	6.3	5.8	5.1	7.2	10.3	12.1	14.7	18.7	23.5	27.1	28.7	24.7	23.6	23.3	29.5
AA-101-038	12 DEC 79	10 50							24.2	25.4	25.6	27.1	28.4	24.1	22.7	22.2	30.4
-039		11 18	1.8	.8	-.5	-.8	-.5	1.3	4.8	9.8	14.6	24.1		23.8	20.7	16.1	21.9
-040		13 10	3.5	2.5	1.4	2.3	2.7	5.6	10.6	19.1	20.3	27.3	29.0	22.7	17.3	11.6	28.7
AA-101-041	13 DEC 79	11 30	2.5	1.6	.9	1.7	1.2	3.0	6.9	11.6	13.6	17.8	22.2	21.2	19.2	15.2	28.6
AA-101-043	14 DEC 79	12 6	-3.3	-3.5	-4.1	-2.7	-1.0	-.8	.9	4.9	10.3	20.6	26.7	24.2	20.9	18.9	25.5
AA-101-044	23 JAN 80	11 54			11.9	14.1	16.0	16.3	18.3		21.5	24.6	24.9	20.0	17.1	15.1	23.7
AA-101-047	29 JAN 80	11 42	4.6	7.6	8.2	10.0	10.9	12.6	13.5	14.1	17.4	21.3	22.1	19.9	18.2	17.2	39.8
-049		13 27											32.6	29.1	26.0	25.0	26.4
AA-102-051		16 40		-.3	.9	-.2	-2.0	.9	2.8	7.7	15.1	21.3	20.6	15.9	13.2	9.9	14.3
AA-101-052	05 FEB 80	13 37	3.3	2.5	1.5	1.1	2.5	2.0	9.4	19.2	19.8	25.3	31.1	27.4	23.1	17.6	29.9
AA-101-054	13 FEB 80	11 26	5.6	4.7	4.0	4.7	7.8	11.8	24.7	33.8	36.0	35.2	33.1	29.6	28.4	29.2	23.7
-055		11 53		6.6	7.3	8.3	11.6	14.2			34.9	36.2	32.6	29.0	26.8	27.2	39.4
-056		12 4		9.1	8.3	10.1	14.7	18.3		30.5	34.0	34.9	32.2	27.7	26.4	27.5	38.1
AA-102-057		14 43	-1.1	-4.6	-6.3	-7.1	-4.5	4.7	14.0	25.1	32.9	31.7	21.4	8.5	1.7	-4.3	29.9
-058		14 51	-.2	-3.9	-5.0	-6.8	-3.1	4.6	21.1	27.9	34.4	33.0	18.6	12.8	7.3	3.3	29.1
-059		15 15	-1.9	-4.8	-6.7	-7.5	-4.1	2.9	16.2	24.6	27.8	30.9	23.3	12.5	3.1	-1.5	34.4
AA-101-060	14 FEB 80	9 54	4.6	1.4	-.3	-.5	2.3	4.9	16.2	26.7	32.3	34.3	30.8	26.5	23.7	22.9	42.5
-061		11 3	1.8	2.3	1.1	1.4	3.3	6.5	16.8	28.2	30.2	32.8	30.5	26.7	24.9	23.7	27.3
AA-101-065	20 FEB 80	11 19	5.9	5.6	4.8	5.9	7.6	5.3	6.5	8.5	13.3	24.4	26.3	29.9	31.1	33.7	30.4
AA-102-067		13 11	2.9	.3	-1.3	-2.6	-2.9	-4.4	-4.6	-3.3	2.0	14.3	17.5	18.2	21.7	26.1	25.5
AA-101-068	21 FEB 80	14 10	-1.7	-1.8	-3.6	-4.5	-5.3	-8.1	-7.6	-5.7	-2.6	2.3	9.1	13.3	14.2	16.9	31.3
-069		14 13	.7	.7	-1.1	-2.2	-3.5	-4.5	-5.7	-4.6	.4	7.0	14.2	20.0	21.5	23.6	25.1
AA-102-070		14 33	6.5	8.2	10.5	11.8	13.8	16.7	17.9	20.2	21.3	25.5	26.6	24.4	22.3	23.4	31.2
AA-102-071	22 FEB 80	14 48	-4.4	-6.7	-7.7	-7.3	-6.6	-5.5	-3.0	4.0	10.6	19.0	20.6	15.7	7.7	1.2	24.6
-072		14 53	-3.1	-7.2	-7.4	-7.8	-9.0	-5.4	-1.2	6.5	8.5	15.7	17.6	11.9	6.3	-2.0	30.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E48

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-034	29 NOV 79	11 1	17.0	15.2	13.8	12.1	9.6									18.5	15.8
AA-101-036	06 DEC 79	11 14	19.0	13.4	8.6	5.4	3.9	2.8	1.7	1.7						9.7	9.7
-037		15 15	19.9	17.8	16.5	15.6	12.7	10.3	7.4	2.7						15.3	14.8
AA-101-038	12 DEC 79	10 50	21.5	20.2	19.5	18.7	17.4	15.9	14.3							24.1	20.4
-039		11 18	12.9	9.2	4.2		-6.4									3.0	9.0
-040		13 10	6.6	2.9	.3	.5	.6	.5	-.9	-1.4						8.5	4.4
AA-101-041	13 DEC 79	11 30	11.0	7.5	3.5	1.2	-1.3									4.7	10.0
AA-101-043	14 DEC 79	12 6	16.5	10.9	7.8	6.8	3.3	1.9								6.1	10.6
AA-101-044	23 JAN 80	11 54	12.4	9.7	7.5	6.6										17.0	12.2
AA-101-047	29 JAN 80	11 42	15.2	11.5	9.9	8.8	6.2									14.1	13.6
-049		13 27	23.9	20.1	18.6	17.2										28.3	24.0
AA-102-051		16 40	6.7	3.4	2.7	2.7	-.6									6.7	5.8
AA-101-052	05 FEB 80	13 37	13.7	11.0	10.9	10.6	7.8	3.6								10.5	11.6
AA-101-054	13 FEB 80	11 26	26.7	24.1	24.2	25.6	24.5									17.5	27.0
-055		11 53	26.0	23.8	23.9	24.4	22.9									20.2	26.2
-056		12 4	25.8	23.5	23.7	24.6	22.7									22.7	26.0
AA-102-057		14 43	-3.6	-3.5	-.9	.1	-2.4	-4.6								5.5	.9
-058		14 51	1.5	2.3	.6	3.2	3.4	1.2								6.1	3.5
-059		15 15	-2.7	-3.6	-2.8	.3	-.8	-3.9								5.9	1.9
AA-101-060	14 FEB 80	9 54	20.3	16.7	15.6	15.4	12.2	9.8								9.9	17.1
-061		11 3	22.1	19.6	19.5	17.6										7.8	20.1
AA-101-065	20 FEB 80	11 19	33.1	28.3	25.1	22.7	20.6	18.8								13.1	23.7
AA-102-067		13 11	21.1	11.4	4.6	-2.3	-4.4	-8.0	-8.4	-7.6						1.7	2.9
AA-101-068	21 FEB 80	14 10	8.3	3.3	-.5	-2.1	-3.3	-3.8	-5.2	-6.5						-2.3	.0
-069		14 13	14.7	9.6	6.6	3.6	-.9	-.6	1.0	-1.3						1.5	5.8
AA-102-070		14 33	23.4	20.8	18.4	15.9	13.6	11.8	10.5							20.4	19.4
AA-102-071	22 FEB 80	14 48	-1.1	-1.8	.0	1.2	-1.0	-.2	.0	2.9						2.5	2.1
-072		14 53	-5.9	-7.0	-4.4	-3.7	-5.5	-5.4	-6.0	-5.3						1.5	-2.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D49

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-073	27 FEB 80	11 57															19.3
AA-101-074	01 APR 80	11 3	5.0	5.5	5.0	7.2	10.0	10.5	14.9	19.7	25.7	33.0	37.4	35.1	33.8	32.3	37.1
-075		11 22	4.5	4.3	5.0	5.0	8.0	6.6	9.1	13.7	18.4	27.7	35.2	33.2	31.6	28.8	29.5
AA-101-076	03 APR 80	11 17	2.6	1.7	1.2	-.5	3.5	3.2	5.9	11.3	18.4	28.7	33.0	30.2	27.2	23.4	26.0
-077		14 12	-.4	-2.4	-3.8	-4.1	-2.9	-3.1	2.2	10.5	18.2	24.9		24.7	21.7	15.6	36.3
AA-101-080	10 APR 80	9 39		7.5	8.7	9.1	11.3		15.5		20.9	27.2	27.7	25.5	22.6	21.7	15.2
-081		10 47		6.5	7.8	12.0	13.1	12.8	16.5	19.2	18.4	21.8	23.0	20.0	18.6	17.3	24.1
-082		11 47			11.4		19.3	19.8	19.6	22.5	23.5	26.5	27.6	25.2	23.6	22.4	30.4
-083		12 3	-2.1	.6	3.7	5.2	8.3	9.8	9.4	11.6	11.8	14.3	15.6	11.6	9.3	8.9	31.3
AA-101-087	11 APR 80	10 51	3.9	4.6	4.3	6.6	8.5	8.6	11.8	17.0	20.5	24.7	29.0	27.6	26.0	24.5	32.6
AA-101-088	16 APR 80	10 4	3.3	3.5	3.5	3.2	5.2	6.1	8.0	13.6	18.9	26.9	32.4	30.5	25.9	21.3	24.6
AA-101-089	17 APR 80	11 23	6.5	5.2	5.0	6.4	8.7	8.4	10.8	15.6	22.4	27.8	30.8	28.7	27.2	26.2	27.3
AA-101-090	18 APR 80	11 6	3.9	2.7	2.0	3.2	5.6	5.5	7.7	11.4	15.9	23.0	27.2	25.2	23.5	22.8	28.1
AA-101-092	22 APR 80	11 2							24.6	26.7	28.7	30.0	31.0	28.2	26.3	23.6	30.4
AA-102-093		14 10		-4.3	-5.2	-5.0	-3.0	-.6	10.2	17.7	23.7	18.3	16.1	6.7	-1.4	-6.5	18.3
AA-101-096	08 MAY 80	10 26	-1.9	-1.5	.6	1.8	4.5	10.9		23.8		20.9	21.1	17.4	14.6	10.5	19.7
AA-102-097		14 52	-.8	-2.3	-2.6	-1.2	.6	5.0	11.7	20.5	26.1	34.0	29.1	17.2	13.6	7.2	29.5
AA-101-098	09 MAY 80	10 40	3.7	5.2	6.0	8.0	11.1	14.1	18.7	25.3	28.2	31.1	31.1	27.8	26.6	24.7	32.6
-099		12 29					11.8	16.2	22.4	27.9	28.3	30.1	30.3	26.6	24.1	23.2	29.5
AA-102-100		14 34	-.2	-3.3	-2.0	-1.4	2.0	6.7	15.8	22.8	26.0	21.8	18.4	8.3	5.0	2.5	29.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-073	27 FEB 80	11 57	12.7	10.0	9.7	7.8	5.6	3.2								17.1	11.1
AA-101-074	01 APR 80	11 3	30.8	27.8	26.9	25.4	24.4	22.8								18.8	27.7
-075		11 22	27.2	24.0	23.1	21.0	21.3	19.8								13.3	23.4
AA-101-076	03 APR 80	11 17	20.2	16.7	14.3		11.6									8.4	17.5
-077		14 12	12.0	6.4	.8	-.7	-1.0	-2.0	-.2	-2.4						7.0	5.1
AA-101-080	10 APR 80	9 39	20.4	19.0	17.9	17.6	16.9	15.4								18.5	19.8
-081		10 47	15.8	14.2	13.0	12.1	11.0	9.2								16.2	14.1
-082		11 47	21.8	20.3	19.6	18.6	17.3	14.1								21.9	20.4
-083		12 3	9.3	9.2	8.2	7.8										9.1	10.9
AA-101-087	11 APR 80	10 51	23.0	20.4	17.9	16.4	14.8	12.7								16.0	19.6
AA-101-088	16 APR 80	10 4	16.4	12.8	11.8	11.2	10.0									10.9	17.6
AA-101-089	17 APR 80	11 23	25.4	22.7	21.1	19.9	18.8	16.7								15.5	22.0
AA-101-090	18 APR 80	11 6	21.0	17.3	16.3	16.8	16.2	14.7								12.4	18.4
AA-101-092	22 APR 80	11 2	24.7	24.4	24.4	23.7	23.8	22.7								26.9	25.2
AA-102-093		14 10	-7.2	-4.9	-6.0	-2.3	-2.8	-4.8	-1.9							3.3	-2.4
AA-101-096	08 MAY 80	10 26	7.3	4.1												6.5	12.9
AA-102-097		14 52	6.3	-1.0	2.2	7.3	7.1	1.9								8.2	5.4
AA-101-098	09 MAY 80	10 40	22.9	19.9	18.6	16.9	15.5	12.2								19.3	20.6
-099		12 29	23.1	21.1	20.2	18.4										22.3	22.7
AA-102-100		14 34	2.2	.8	.5	-.3	-3.1	-5.0	-4.3							6.6	.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D50

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-101	09 SEP 80	7 10	.0	1.4	-1.5	-.4	1.9	5.5	13.5	25.7	33.9	36.7	35.0	27.2	23.8	19.4	29.5
-103		7 24	-.1	.5	-2.3	-1.2	1.6	5.6	15.4	28.2	31.5	37.8	32.3	23.1	22.6	14.8	28.2
-105		7 35	-.2	.7	-1.7	-.9	1.8	5.9	14.4	25.5	31.3	31.6	28.8	20.1	16.2	9.1	29.5
-107		7 45		1.6	-.6	.5	2.6	6.4	13.8	24.0	31.6	34.0	33.9	25.3	21.0	13.2	34.4
-109		7 55			.4	1.2	3.1	5.6	13.2	24.1	31.9	34.9	33.6	25.9	23.6	18.5	29.5
-111		12 26			12.8	18.2	18.7	22.2	24.8	26.4	29.0	30.3	31.7	27.5	23.8	23.3	19.3
-112		12 58			12.9			21.0	25.4	27.8	28.8	31.3	30.6	27.0	27.8	26.5	29.1
-114		13 10			13.6	16.8		25.1	26.4	28.7	32.1	34.0	32.7	28.3	29.5	28.9	32.3
-116		13 23		5.5	7.6	9.2	11.9	16.8	22.0	23.5	25.9	30.3	29.4	25.1	26.3	26.5	30.4
-118		13 37		8.0	9.7	14.4	16.2	20.4	25.3	27.0	29.1	31.0	30.9	25.9	26.9	26.9	32.2
-120		13 53	5.6	9.3	10.7	16.5	17.9	24.1	22.4	22.8	24.7	27.9	27.4	23.5	25.1	24.0	29.5
-122		14 8			13.0	14.1	18.5	21.9	23.4	24.5	27.4	29.5	29.4	26.0	26.3	26.4	28.2
AA-104-102		7 17	-5.1	-6.8	-7.6	-6.1	-2.6	.8	8.3	15.2	18.5	18.0	11.8	5.7	7.8	7.1	31.7
-104		7 30	-3.9	-3.3	-3.9	-1.8	.8	4.3	10.6	22.0	22.0	27.2	23.0	11.9	10.5	7.7	34.0
-106		7 40	-2.9	-2.5	-3.1	-2.4	-.4	1.6	9.1	12.3	14.9	21.7	20.0	12.6	10.1	10.0	38.9
-108		7 50	-1.7	-1.8	-3.3	-1.3	.6	3.8	9.8	14.9	18.7	29.5	23.6	15.3	12.0	11.1	30.0
-110		8 1	-2.1	-2.2	-3.1	-1.6	.7	2.9	9.7	16.5	20.5	24.3	20.0	10.3	10.2	9.3	38.9
-113		13 4		-1.4	-2.9	-1.9	.3	3.7	10.9	19.6	24.3	30.8	27.9	11.4	9.6	9.8	33.2
-115		13 16	-1.3	.1	-1.8	-.3	1.9	4.0	11.5	20.8	27.6	32.5	29.6	14.5	11.4	7.8	34.9
-117		13 29	-3.4	-3.5	-4.7	-3.2	-2.1	.4	5.2	13.7	21.4	26.6	24.9	9.7	5.1	2.5	30.0
-119		13 47	-2.8	-2.7	-4.1	-2.5	-1.2	3.3	9.4	17.0	21.0	22.6	23.0	9.2	5.1	6.9	32.2
-121		14 3	-3.6	-4.0	-5.1	-2.4	1.4	7.6	16.0	19.0	19.4	19.7	18.0	4.3	1.9	2.6	30.4
-123		14 13	-2.6	-3.0	-4.8	-3.0	-1.0	2.3	9.6	17.3	21.1	26.0	23.7	8.2	5.1	3.3	31.3
-124		15 18		-3.7	-5.0	-2.9	-1.0	1.5	8.7	19.5	22.2	26.4	20.9	10.6	4.6	2.9	30.0
AA-103-125	10 SEP 80	6 58	-4.7	-2.6	-4.2	-3.5	-2.7	-1.7	4.2	12.9	22.7	25.0	25.2	15.7	12.7	6.9	30.4
-127		7 11	-2.7	-.2	-.6	.4	.5	1.7	7.8	15.0	23.6	28.7	28.5	20.4	18.2	12.0	14.3
-129		7 22	-2.9	-3.0	-5.0	-3.9	-2.7	-1.1	5.5	13.0	20.3	24.8	26.4	17.8	15.6	10.1	25.1
-131		7 33	-1.6	-1.5	-2.6	-1.3	-1.1	-.1	5.1	13.2	21.7	25.8	26.7	18.3	15.7	11.8	15.7
-133		7 44	-1.7	-1.1	-2.7	-2.4	-1.7	-.1	5.2	12.3	20.8	26.3	26.9	18.9	17.6	14.2	29.1
-135		13 0	.6	2.0	1.7	2.6	3.9	3.5	7.2	12.0	18.5	26.9	28.8	23.0	24.1	21.9	29.5
-137		13 10	-1.1	.8	-.7	-1.0	-.7	.0	3.8	8.4	16.5	25.1	24.8	18.5	16.5	15.0	30.4
-139		13 19	1.0	1.9	.3	.9	2.2	1.6	5.4	9.7	18.2	27.9	31.0	27.1	26.1	21.9	30.4
-141		13 29	1.7	2.1	.7	.8	1.4	1.8	5.1	8.8	15.4	24.8	28.6	23.7	23.6	21.3	30.4
-143		13 44	.9	1.1	-.3	.1	.6	.3	4.0	9.2	17.2	25.6	26.7	22.6	23.6	20.6	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E50

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-101	09 SEP 80	7 10	13.5	9.7	8.9	3.4	.1	-1.8	-.8	-1.2	-6.8					8.8	4.2
-103		7 24	9.5	5.6	7.2	3.6	6.4	6.7	3.6	2.3	1.3					11.3	7.6
-105		7 35	4.2	4.4	.1	2.1	.9	4.3	2.4	.5	-.6					9.4	4.7
-107		7 45	6.5	4.2	1.6	-4.2	1.6	.6	5.4	.0	.1					9.5	4.2
-109		7 55	15.1	13.2	11.6	7.8	4.3	1.4	-.7	-2.1	-3.9	-7.7				10.3	4.6
-111		12 26	23.7	23.1	21.5	20.6	18.8	15.0								24.0	22.2
-112		12 58	24.7	23.4	22.7	22.8	21.1	17.3								26.4	24.1
-114		13 10	26.9	26.1	25.5	25.3	23.9	20.1								28.0	26.6
-116		13 23	24.4	23.4	23.0	22.7	21.1	17.1								22.0	23.6
-118		13 37	24.6	23.7	23.6	23.0	21.3	17.2								24.6	24.2
-120		13 53	21.9	20.9	20.4	20.2	18.1	14.1								22.8	21.2
-122		14 8	24.0	23.1	22.9	22.2	20.0	16.2								24.6	23.3
AA-104-102		7 17	4.2	3.4	4.5	4.2	2.1	.8	1.8	.6						5.3	4.3
-104		7 30	6.0	5.9	4.8	1.7	5.8	4.7	2.0	-.1						8.6	5.6
-106		7 40	8.7	7.0	7.7	3.1	5.4	5.0	-2.0	-2.1						7.2	5.1
-108		7 50	9.4	9.4	8.1	6.7	2.4	3.3	5.9	3.0						8.9	7.7
-110		8 1	7.6	5.4	2.5	2.1	3.6	2.8		-1.7						8.3	5.2
-113		13 4	6.5	4.8	2.9	2.3	1.1	-.3	-1.3	-2.3						9.5	4.8
-115		13 16	4.8	4.1	4.9	5.6	4.4	.9	2.1							10.5	7.1
-117		13 29	-1.3	-3.0	-1.9	.0	-1.7	-4.3	-4.7	-6.2						5.3	.0
-119		13 47	5.4	1.0	-.4	-.7	-2.5	-3.9	-4.3	-5.2						7.2	1.6
-121		14 3	.7	1.3	1.9	4.9	-.3	-2.5	-2.9	-6.2						7.7	1.7
-123		14 13	1.1	-.3	-.7	.2	.0	-3.8	-5.8	-6.6						6.4	.5
-124		15 18	-.7	-3.6	-4.3	1.3	-1.3	-4.7	-6.6	-8.0						5.8	-1.1
AA-103-125	10 SEP 80	6 58	1.4	-1.9	-3.2	-1.3	.2	-2.2	-3.2	-4.3						4.9	1.0
-127		7 11	3.4	-1.2	-3.8	-1.2	1.9	-.1	-.4							7.2	2.8
-129		7 22	5.8	.8	-1.9	-.2	.5	.9	-1.5	-2.0						5.8	2.8
-131		7 33	6.9	4.1	1.8	1.1	3.4	2.0	.3	-.2						7.7	5.2
-133		7 44	9.5	5.6	2.8	3.3	3.4	3.2	1.9	1.5	-1.7					7.9	5.8
-135		13 0	18.7	15.7	13.1	10.6	8.8	6.5	6.8	8.0						12.7	13.6
-137		13 10	10.7	6.7	2.1	.1	-1.3	-3.4	-3.2	-2.7	-6.7					6.3	2.1
-139		13 19	17.3	14.0	10.1	5.8	4.3	2.8	3.1	5.7						10.6	10.1
-141		13 29	18.8	15.0	11.0	8.6	6.2	4.3	4.7	5.9						10.5	11.9
-143		13 44	16.2	13.7	11.2	7.7	5.9	3.2	3.1	4.6						9.8	10.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D51

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-126	10 SEP 80	7 4	4.0	5.1	3.5	4.8	6.4	6.9	9.5	13.5	19.9	30.2	37.3	30.5	28.6	23.8	38.5
-128		7 16		8.4	7.3	7.6	9.9	9.8	11.5	15.5	23.0	33.2	38.3	32.3	28.5	25.0	31.3
-130		7 28	4.7	6.4	4.9	6.6	7.9	7.4	9.9	13.9	20.8	32.3	36.6	30.7	27.8	23.6	31.3
-132		7 39		6.1	5.2	5.9	9.1	9.1	10.4	14.0	20.9	31.2	36.5	32.1	29.2	24.7	31.3
-134		7 50		7.1	6.7	8.2	9.9	10.0	11.6	14.8	21.8	30.3	35.9	30.4	28.1	24.3	30.4
-136		13 4	4.6	5.0	3.4	5.6	7.8	9.5	17.9	21.7	26.0	27.5	28.4	23.0	21.7	19.9	30.4
-138		13 14	4.9	7.7	6.5	9.2	10.2	12.2	14.9	17.8	23.5	26.3	28.4	22.9	22.5	21.9	29.3
-140		13 24	5.7	7.4	6.3	8.4	11.2	12.4	18.1	20.2	24.9	28.0	29.0	23.9	24.1	21.6	30.9
-142		13 36	4.3	4.4	3.5	4.1	6.7	5.7	9.6	13.3	20.2	26.1	28.1	23.7	22.8	20.1	28.2
-144		13 49	6.8	8.0	6.4	7.4	9.8	9.3	12.1	16.1	22.5	27.5	30.0	26.2	26.7	24.8	29.5
AA-103-145	16 SEP 80	7 19	.6	1.2	-1.2	-.5	1.7	5.8	14.1	26.2	33.6	40.5	39.3	27.9	21.3	14.1	36.2
-147		7 34	-1.4	-.8	-3.0	-1.8	.1	4.4	11.9	22.5	31.3	34.7	33.9	24.2	22.8	19.9	31.3
-149		7 47	-.6	.0	-2.3	-1.6	-.3	3.2	9.3	18.5	27.5	35.1	34.2	24.3	22.8	19.6	29.5
-151		8 0	1.1	1.6	-.1	.8	1.3	4.5	10.9	19.5	28.4	35.3	34.9	27.9	25.6	23.7	30.4
-153		8 12	1.6	1.9	.0	1.0	1.4	4.8	10.6	20.2	31.7	35.4	36.0	30.3	30.2	29.0	29.5
-156		13 49	3.8	6.8	6.6	9.2	11.7	14.5	19.8	25.9	34.6	37.1	36.5	31.0	31.5	30.4	32.2
-159		13 51			8.6	11.6	15.1	17.6	23.4	30.1	35.0	38.0	37.8	32.4	33.1	31.9	30.9
-160		13 54			6.9	10.0	12.5	14.0	21.0	27.3	33.5	38.2	36.7	31.1	32.5	30.5	33.6
AA-104-157		13 42	.1	-1.2	-3.1	-2.0	.9	4.8	10.9	19.9	22.9	28.3	24.9	12.6	11.2	4.3	29.5
-161		14 8	-1.2	-1.5	-3.5	-2.6	.2	4.5	10.9	19.9	25.3	28.3	26.1	8.9	5.9	5.2	24.2
-162		14 11	-1.6	-1.9	-4.0	-3.4	-.4	4.2	10.3	18.8	22.8	29.0	26.7	11.3	7.5	5.3	29.1
-163		14 13	-3.4	-3.1	-4.6	-2.6	1.0	4.9	9.5	18.6	16.1	21.1	21.5	7.9	3.0	1.8	36.7
AA-108-146		7 28	-.8	-.8	-1.3	-2.3	-1.0	2.8	10.7	23.1	22.4	24.5	14.5	7.7	6.1	2.3	29.5
-148		7 40	-.1	-1.1	-1.5	-2.1	.0	2.7	10.8	22.9	23.7	25.3	15.4	8.5	7.9	6.9	31.3
-150		7 53	.5	-1.0	-1.5	-1.8	-.2	2.7	10.0	20.4	21.7	20.6	14.9	6.5	4.1	1.1	32.2
-152		8 6	-.2	-.8	-1.2	-1.2	.0	2.8	8.3	17.8	23.8	25.5	18.9	13.0	13.8	12.7	30.4
-154		8 21	.0	-.4	-1.6	-1.8	-1.1	1.2	7.2	15.5	24.9	27.2	18.1	10.8	9.1	9.7	30.4
AA-103-164	17 SEP 80	7 5			22.5	24.1		29.4	32.8	34.2	36.6	39.5	40.1	37.0	39.6	38.6	29.6
-166		7 20		17.5	21.0	23.0	26.7	31.1	33.4	35.1	38.7	41.2	41.3	38.0	40.7	39.3	31.4
-170		7 44					24.0	27.6	28.5	29.2	32.1	35.0	36.1	32.7	33.9	33.8	35.4
-171		7 47			13.4	14.5	17.0	18.7	21.8	24.0	27.6	33.4	35.9	34.0	35.5	34.1	32.3
-175		13 12	4.5	5.2	4.1	4.1	5.3	8.1	12.4	20.4	27.3	31.5	31.4	26.1	26.7	24.0	29.6
-176		13 22	3.4	4.1	2.5	2.0	3.2	6.2	10.8	18.7	27.0	31.4	30.5	24.1	22.9	19.2	29.6
-177		13 24	3.8	4.5	2.8	3.4	4.6	7.1	12.3	19.5	25.0	28.9	30.5	24.7	23.2	18.6	32.7
-178		13 28	2.9	3.8	1.9	2.7	3.8	6.1	11.4	19.6	26.6	30.0	31.1	22.0	18.2	14.6	26.0
-179		13 34	4.5	5.5	3.8	4.4	5.1	7.6	12.3	19.4	27.1	31.1	33.6	27.9	27.9	24.4	29.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
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TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-126	10 SEP 80	7 4	21.2	19.0	17.0	17.8	17.5	15.4	15.0	13.4						14.3	18.7
-128		7 16	22.7	21.0	20.3	21.7	20.9	18.7	18.7							17.1	22.4
-130		7 28	21.4	19.7	18.8	19.8	19.3	17.0	16.8							15.1	20.8
-132		7 39	22.2	19.8	18.3	19.4	19.0	16.9	17.4							15.8	20.9
-134		7 50	21.5	19.3	17.6	18.7	18.2	16.4	16.9							16.8	20.8
-136		13 4	16.8	12.8	10.6	10.7	10.5	8.4	8.8							16.7	14.4
-138		13 14	19.2	16.8	14.3	14.5	14.0	11.6								17.7	16.7
-140		13 24	19.3	16.8	14.2	13.5	13.0	11.1								18.7	17.7
-142		13 36	18.2	15.0	13.1	14.0	13.5	11.1								13.7	16.3
-144		13 49	22.3	19.7	16.7	16.0	15.7	13.8								16.5	19.4
AA-103-145	16 SEP 80	7 19	13.6	14.7	10.9	14.5	17.4	13.5	16.9							13.9	16.5
-147		7 34	15.9	10.2	7.8	9.4	6.7	7.2	7.4		5.4					12.0	11.6
-149		7 47	16.5	13.8	9.6	5.2	5.6	6.0	6.8	6.9						11.1	11.6
-151		8 0	20.5	17.1	13.9	9.4	7.2	6.3	7.8	8.5						12.8	13.7
-153		8 12	26.1	23.7	21.8	20.0	17.8	15.7	15.5							13.6	22.3
-158		13 49	28.5	27.6	26.3	24.9	22.8	19.5								22.6	27.0
-159		13 51	30.0	29.2	28.3	26.9	24.7	21.1								25.8	28.8
-160		13 54	29.3	27.9	26.6	25.0	22.6	19.1								23.7	27.2
AA-104-157		13 42	5.1	2.2	2.8	4.5	6.7	4.5	4.6	4.2						9.7	6.4
-161		14 8	.6	2.8	3.5	5.5	4.5	1.7	1.9	.9						8.9	5.3
-162		14 11	4.1	4.0	4.9	8.0	4.7	3.1	3.8	3.7						8.7	7.0
-163		14 13	-.4	-1.3	-1.0	2.7	1.3	-.9								7.7	3.1
AA-108-146		7 28	.5	1.0	2.3	2.7	8.2	8.0	1.6	1.7						5.9	3.9
-148		7 40	3.3	.5	.1	2.2	2.1	5.5	2.1	.4						7.0	3.4
-150		7 53	-2.3	-6.0	-7.4	-3.7	-3.6	-.6	-.8	-7.0	-8.0	-9.5				2.3	-4.1
-152		8 6	11.6	10.8	4.1	-.3	-4.6	-5.9	-4.4	.4	-1 9					4.0	-1.5
-154		8 21	10.6	9.0	7.4	8.8	8.8	6.5	4.7	3.7						6.3	8.1
AA-103-164	17 SEP 80	7 5	37.1	35.6	34.0	32.3	30.3	26.9								35.2	34.8
-166		7 20	37.7	36.1	35.1	33.6	31.7	28.3								35.3	35.9
-170		7 44	31.4	29.9	28.8	27.8	25.9	22.4								31.0	29.8
-171		7 47	31.9	30.2	29.2	28.0		22.8								25.8	30.6
-175		13 12	18.3	14.1	10.9	9.2	9.0	9.2	10.5	12.6						15.7	14.7
-176		13 22	14.2	10.9	8.9	9.8	10.0	8.9	10.3	11.9						13.8	13.3
-177		13 24	14.1	10.7	10.2	10.4	10.7	8.7	8.8	12.6						14.3	13.3
-178		13 28	11.1	9.6	9.5	10.1	9.1	7.0	8.2	10.7						13.1	11.9
-179		13 34	19.4	15.5	13.1	11.3	10.3	10.1	11.7	13.8						15.4	15.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D52

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-167	17 SEP 80	7 27	-5.7	-6.9	-8.5	-6.6	-3.6	-1.0	2.3	9.7	9.9	15.2	21.1	9.4	4.9	-1.5	35.4
-168		7 30	-4.4	-6.1	-7.8	-6.8	-4.7	-2.7	1.2	7.5	13.2	17.8	23.1	12.8	9.0	.9	32.7
-169		7 33	-5.6	-6.7	-8.3	-6.5	-4.4	-3.7	1.3	8.8	12.6	17.8	22.7	11.9	6.2	-2.2	30.5
-172		8 4	-6.5	-8.8	-9.3	-7.4	-3.4	-1.4	4.5	8.4	12.8	17.1	18.1	8.6	.9	-1.6	33.6
-173		8 23	-5.2	-7.6	-8.6	-7.6	-4.5	1.7	9.5	13.1	14.3	17.6	17.8	8.3	-1.1	-2.8	39.4
-174		8 27	-5.8	-9.2	-9.6	-8.4	-5.1	.2	6.6	15.0	16.1	17.0	19.0	8.6	.8	-.7	33.2
-180		13 51															34.0
-181		14 2	5.0	6.3	6.1	8.3	9.7	10.1	11.6	15.4	21.7	29.6	32.8	29.0	28.0	24.5	30.4
-182		14 4	3.6	5.5	4.4	6.2	7.2	7.7	9.5	14.4	21.9	29.9	31.2	28.0	26.9	23.3	31.4
-183		14 6		6.3	5.5	6.5	8.7	8.6	10.3	13.7	18.9	27.3	30.0	26.9	26.2	22.1	30.5
-185		14 8		7.9	7.6	8.7	9.9	10.4	11.2	14.7	20.8	28.0	31.4	27.7	26.7	22.7	30.9
-186		14 13		6.7	6.9	9.6	11.2	12.8	13.4	17.4	22.8	29.1	30.7	27.3	26.6	23.3	31.8
-187		14 14	3.2	4.3	3.6	5.1	6.3	7.4	8.8	12.2	17.7	26.1	27.6	24.9	24.7	21.5	34.5
AA-103-188	19 SEP 80	7 1	-.4	-.8	-2.4	-.6	-1.0	.8	7.2	16.8	27.8	32.9	34.1	24.1	21.4	19.1	31.4
-189		7 3	-1.9	-1.4	-3.2	-2.3	-1.2	1.1	7.3	16.4	25.2	30.4	31.1	23.8	23.9	20.6	32.3
-192		7 21	-1.3	-1.8	-3.6	-2.5	-1.5	.4	6.2	13.8	22.8	33.0	33.0	24.1	22.0	16.3	29.1
-193		7 23	-2.4	-1.9	-3.3	-2.2	-1.3	1.5	7.6	14.0	24.2	29.5	33.9	24.4	22.3	18.4	31.3
-194		7 25	-3.7	-3.6	-5.6	-5.3	-4.4	-1.6	4.1	13.8	21.9	25.3	23.8	11.3	9.3	4.7	30.4
-200		7 52	-4.3	-4.0	-6.3	-5.4	-4.0	-.1	5.6	14.8	19.9	24.0	22.3	12.1	14.3	8.1	27.3
-201		7 54	-4.4	-4.5	-6.7	-5.8	-3.9	.5	6.8	16.9	15.7	20.2	17.1	12.6	9.4	7.8	29.5
-202		7 56	-5.0	-5.3	-7.4	-6.4	-4.5	-.1	5.9	17.1	15.7	19.5	18.2	13.1	8.6	6.3	29.5
-203		7 58	-4.8	-4.7	-6.9	-6.0	-4.4	.7	7.2	14.7	14.7	21.7	20.0	12.4	14.0	2.0	29.5
-204		8 0	-4.7	-4.8	-6.9	-6.0	-4.6	-.2	9.0	13.5	20.3	28.0	24.7	12.3	10.1	8.8	29.5
-205		8 2	-4.3	-4.1	-6.3	-5.5	-4.8	-.8	7.8	14.6	20.2	23.6	28.2	16.3	11.9	7.0	23.3
-206		8 14	-.5	-1.0	-3.0	-2.5	-1.8	1.6	8.0	14.8	20.5	26.4	29.4	19.4	15.4	10.6	34.0
-207		12 53	2.1	1.9	.8	2.1	3.6	5.0	9.8	14.5	21.6	27.2	29.7	24.9	26.1	24.3	30.4
-208		12 55	1.6	2.5	2.2	3.0	3.7	5.6	10.4	15.8	21.2	26.5	28.1	23.8	24.8	22.7	31.3
-209		12 57	1.9	2.5	1.1	1.9	2.9	4.2	7.8	12.1	18.7	24.3	25.6	22.7	24.4	22.2	30.4
-210		12 59	3.2	3.5	2.6	2.8	2.9	4.1	7.3	11.0	17.8	22.7	24.7	22.2	23.3	21.3	29.5
AA-104-190		7 12	9.4	9.1	7.9	8.9	10.4	10.7	13.0	20.6	30.8	43.9	45.9	37.3	33.6	30.1	29.5
-191		7 14	8.6	8.7	7.5	8.9	10.3	10.2	12.4	20.0	30.5	45.2	47.8	38.6	34.5	30.4	30.9
-195		7 33	7.4	6.9	6.7	5.9	6.8	8.5	12.6	25.3	34.0	46.2	45.3	37.5	30.7	21.8	29.1
-196		7 39	7.2	5.8	4.2	3.8	4.3	5.5	9.0	19.6	28.2	40.0	39.8	37.2	31.1	22.5	29.6
-197		7 42	6.9	6.1	5.3	5.3	5.8	7.0	10.4	21.2	30.9	42.5	42.9	35.2	30.1	21.4	29.5
-198		7 44	7.7	6.9	6.2	5.2	6.0	7.5	10.8	21.5	33.3	45.1	44.2	36.2	31.4	23.7	29.6
-199		7 46	6.9	4.9	4.2	4.0	4.7	5.9	9.5	20.0	29.7	42.8		35.9	29.3	20.3	29.1
-211		13 16	6.7	5.8	4.9	6.2	7.7	6.8	9.1	13.5	20.2	30.1	32.2	28.9	26.8	23.2	29.6
-212		13 21	6.8	6.2	5.8	7.0	7.5	6.7	9.5	14.7	21.7	30.7	32.9	29.3	27.7	24.0	30.4
-213		13 35	7.5	7.1	6.8	8.2	10.1	10.5	13.4	16.0	22.5	30.8	34.6	31.6	28.3	26.7	31.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-B08-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E52

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-167	17 SEP 80	7 27	-6.2	-3.8	-1.8	.2	-1.1	-2.2	-.6	-.6						4.6	1.5
-168		7 30	-3.1	-.6	2.1	1.6	-.5	1.5	2.1	-.3						5.0	3.7
-169		7 33	-4.9	-2.3	.9	.5	-.3	1.3	1.7	-.4						4.6	2.7
-172		8 4	-1.9	-1.3	-1.0	-1.9	-2.2	-.5	-1.4	-2.2						3.7	.6
-173		8 23	-2.1	-1.5	1.5	-1.3	-1.7	.7	-3.2							4.5	1.1
-174		8 27	-1.8	-1.2	1.3	.0	-1.5	.6	-.3	-.9						4.5	1.5
-180		13 51															
-181		14 2	20.7	19.0	17.2	17.7	17.0	14.7	15.6							16.9	19.7
-182		14 4	19.3	17.2	15.6	15.5	14.9	12.4	13.6	13.1						15.0	16.8
-183		14 6	18.5	17.0	15.9	16.0	15.7	13.0	13.7							15.3	18.1
-185		14 8	19.5	18.1	16.6	16.7	16.0	13.7	14.6							16.6	18.7
-186		14 13	19.8	18.1	16.3	17.0	16.7	14.1	14.4							18.2	18.6
-187		14 14	18.3	15.8	13.7	13.9	13.6	11.3								13.5	14.2
AA-103-188	19 SEP 80	7 1	12.4	8.5	3.5	1.0	6.9	7.7	6.1	6.6						9.8	8.7
-189		7 3	15.1	10.2	5.7	5.5	9.5	7.2	6.1	6.5						10.0	10.9
-192		7 21	9.4	4.3	.3	3.1	3.1	4.3	1.6	4.0	-2.2					8.3	5.6
-193		7 23	12.9	9.1	2.2	1.1	4.3	5.6	4.3	5.2	.8					9.5	7.6
-194		7 25	-.8	-3.8	-6.6	-6.1	-2.2	-6.5	-5.3	-7.1	-10.8					2.6	-2.4
-200		7 52	6.1	3.9	5.6	6.5	4.3	4.7	7.5							7.3	8.2
-201		7 54	3.4	2.6	3.6	2.2	-.8	.2	-.2	-.3						6.4	4.5
-202		7 56	4.0	1.2	1.8	.0	-1.4	1.2	3.9	3.5						5.9	4.4
-203		7 58	-.4	-.4	-.7	1.1	-2.2	-3.4	-1.4	-2.9	-5.7					4.5	.9
-204		8 0	2.3	.5	.7	1.4	.4	-3.2	-1.0	-4.5						5.6	2.9
-205		8 2	3.7	2.1	.7	1.6	4.7	.6	.9	2.5						6.2	4.8
-206		8 14	7.6	2.2	-6.1	-5.6	-6.8	-3.0	-.9	-.3	.5	-3.8				5.7	.6
-207		12 53	21.5	18.9	16.5	14.2	12.1	10.3	11.1							13.9	17.8
-208		12 55	20.1	17.9	16.1	14.5	12.8	10.2	11.1							14.3	16.9
-209		12 57	19.6	17.1	14.6	12.1	9.7	7.4	8.1	8.9						12.6	15.0
-210		12 59	19.0	17.0	15.1	13.4	11.5	8.9	9.6							12.4	15.9
AA-104-190		7 12	27.8	25.8	24.9	26.6	25.7	23.5								19.1	27.1
-191		7 14	28.0	26.6	25.3	26.0	25.5	23.1								18.5	26.8
-195		7 33	14.2	10.3	10.9	16.2	16.7	17.6								17.2	17.0
-196		7 39	17.7	12.6	15.5	14.1	11.0	14.4	16.4							14.4	16.9
-197		7 42	15.0	9.4	6.4	9.3	8.9	9.7	11.9	8.5						14.9	11.7
-198		7 44	19.4	14.3	9.1	10.7	13.2	8.9	8.1	8.9						15.5	13.1
-199		7 46	13.0	6.6	3.2	7.3	11.6	11.6	12.8							13.6	10.8
-211		13 16	19.6	16.5	14.4	15.1	14.4	12.3	13.5							14.4	17.5
-212		13 21	20.7	17.1	14.7	14.7	13.7	11.1								14.8	17.5
-213		13 35	24.1	20.9	19.0	18.3	18.0	16.0								17.5	21.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D53

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-214	23 SEP 80	7 8	.5	.5	-2.0	-1.7	-.2	2.9	9.9	17.7	24.8	28.8	26.7	22.3	20.3	17.0	30.4
-215		7 10	-.5	-.7	-3.0	-2.7	-.9	2.2	9.2	17.0	22.4	27.8	26.1	20.5	17.7	12.4	30.0
-216		7 12	-3.5	-2.2	-4.4	-3.5	-2.0	1.7	8.5	17.6	20.4	21.4	23.3	16.6	13.1	8.5	29.1
-220		7 33	.4	2.7	.3	1.6	4.2	7.6	14.8	21.9	27.4	31.3	31.2	26.0	24.5	21.8	27.3
-221		7 35	1.0	1.2	-.9	-1.1	.7	4.0	11.1	19.7	26.1	28.4	27.9	20.9	19.5	15.7	29.5
AA-104-217		7 21	5.9	5.0	3.8	5.7	6.1	7.1	9.4	15.6	23.4	34.4	34.8	27.5	25.8	22.2	30.4
-218		7 23	6.3	5.8	4.2	5.8	6.5	7.9	10.6	16.4	23.5	34.5	37.1	29.0	26.5	22.3	29.5
-219		7 24	6.0	6.4	5.1	6.7	6.9	8.1	10.5	15.9	23.0	34.1	35.6	28.8	26.9	22.8	30.4
-222		7 41		6.8	5.4	6.9	8.0	8.7	11.9	18.9	27.4	37.9		31.7	28.2	24.6	29.5
-223		7 43	5.6	6.9	5.5	7.4	8.6	9.5	12.4	18.5	27.6	38.0	36.7	31.6	28.0	24.5	30.4
-224		7 46		6.4	5.2	6.7	8.2	9.1	12.5	19.5	27.7	35.7	37.1	31.1	27.3	23.8	30.4
AA-103-235	24 SEP 80	6 59	-2.1	-1.8	-3.3	-2.0	-.1	3.8	10.5	16.8	25.6	31.1	27.3	21.7	20.0	14.1	30.4
-236		7 1	-2.9	-2.5	-3.8	-2.3	.2	6.0	15.7	20.0	24.2	24.5	23.8	13.5	10.3	5.3	29.1
-237		7 3	-2.2	-1.2	-3.1	-1.7	.5	5.9	14.7	21.1	22.5	27.9	25.1	15.6	14.5	9.4	32.2
-238		7 4	-2.6	-2.1	-3.7	-1.5	2.1	7.7	15.6	22.4	24.1	30.9	29.6	20.1	17.7	11.2	31.3
-243		7 24	-2.0	-.8	-2.5	-.5	1.1	5.4	14.1	21.8	22.9	28.2	27.4	19.1	17.8	13.2	31.8
-244		7 26	-3.2	-2.2	-4.2	-2.1	-.1	4.5	13.6	22.3	21.9	26.5	27.4	18.4	17.3	12.8	31.3
-245		7 27	-2.5	-1.9	-3.1	-1.6	.8	5.6	14.9	20.6	20.5	24.8	25.4	18.6	15.1	11.1	31.8
-246		7 29	-4.1	-3.4	-4.4	-2.6	.1	4.7	11.8	23.2	27.8	29.8	27.2	18.1	15.7	9.5	31.3
-247		7 31	-3.7	-3.0	-4.0	-1.9	.2	5.6	14.1	21.6	25.0	26.1	27.0	17.7	17.0	9.7	32.2
-248		7 32	-3.5	-3.0	-4.8	-2.5	.1	4.6	11.9	20.8	26.6	30.3	27.5	18.6	17.5	12.7	31.3
-257		15 0	.3	2.6	.7	1.6	2.7	4.9	10.0	16.0	24.7	33.0	34.6	28.7	27.7	23.3	31.3
-258		15 1	2.0	3.2	1.7	1.9	3.5	5.5	10.3	16.9	25.3	32.4	33.7	28.7	29.0	25.2	31.3
-259		15 3	.2	1.6	-.2	.5	1.6	3.5	8.8	16.1	27.4	32.9	32.6	26.7	26.8	23.9	31.3
-260		15 4	.4	3.2	1.4	2.3	3.4	4.8	10.6	16.9	25.9	32.1	32.9	27.4	27.4	24.3	31.3
-261		15 6	3.2	5.0	3.4	5.1	6.5	8.5	13.8	19.2	28.2	35.3	35.1	29.9	29.9	26.9	31.3
AA-104-239		7 12	5.9	5.9	4.8	6.4	8.7	9.6	14.6	21.2	31.0	42.3	40.8	33.7	29.9	27.4	31.8
-240		7 13	5.5	4.9	3.1	5.0	7.3	9.1	13.1	20.5	30.3	41.8	40.7	32.3	29.3	26.2	31.3
-241		7 15	5.8	4.7	2.6	4.9	6.7	8.0	12.9	21.4	32.9	40.1	41.0	31.9	29.1	25.8	30.9
-242		7 16	5.4	5.5	3.8	5.3	6.9	8.8	12.6	20.3	30.6	41.3	41.8	32.2	29.4	26.4	31.3
-249		7 39	6.3	5.6	4.0	5.8	6.8	8.0	12.3	20.3	28.2	39.6	39.6	31.1	28.3	26.7	30.4
-250		7 40	4.8	4.6	2.8	4.2	6.2	7.4	10.9	18.7	29.4	40.5	38.3	29.8	27.2	24.9	32.6
-251		7 42	4.9	4.0	2.7	5.1	6.7	7.9	11.0	17.3	26.7	38.9		29.6	25.8	23.0	32.2
-252		7 43	4.4	5.2	3.9	5.5	5.8	7.6	11.6	19.1	29.5	40.3	38.1	30.4	26.8	24.3	32.2
-253		7 45	4.3	4.4	2.9	5.1	6.7	7.6	12.1	20.2	28.8	40.4	37.9	29.7	26.8	24.0	31.3
-254		7 46	3.8	5.0	3.6	5.5	7.0	8.3	12.3	20.2	30.6	41.1	38.8	30.3	27.3	24.9	32.6
-255		7 48	4.8	4.3	2.6	4.3	5.2	6.9	11.2	19.3	28.8	40.8	38.4	30.0	26.4	24.1	45.6
-256		7 49	4.1	4.6	3.7	5.4	6.2	7.7	12.2	19.8	30.6	38.2		30.1	27.0	24.1	35.3
-262		15 17	4.4	5.9	4.7	6.3	7.1	9.1	11.3	15.9	22.9	29.0	30.4	23.0	21.3	19.0	32.2
-263		15 18	3.8	4.0	2.5	3.1	3.0	6.5	9.6	14.6	22.1	30.4	28.8	20.3	17.5	15.4	32.2
-264		15 24	4.4	3.2	1.6	1.8	1.5	3.5	4.7	9.2	17.3	28.1	28.0	19.6	18.5	17.0	22.8
-265		15 26	1.3	1.0	-.6	.3	.0	1.6	4.0	10.3	18.8	27.5	2..6	19.7	13.4	11.1	32.2
-266		15 28	1.2	.6	-.6	.5	.4	2.5	5.1	11.5	20.3	30.6	31.4	21.9	18.6	15.6	34.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E53

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-214	23 SEP 80	7 8	12.9	10.1	8.2	4.8	6.2	5.7	5.9	6.7						10.3	10.3
-215		7 10	7.0	4.9	3.8	2.0	4.9	3.1	3.1	4.1						8.5	7.1
-216		7 12	3.2	2.0	1.1	-1.2	1.7	-.6	-1.4	-2.0						5.9	2.8
-220		7 33	17.5	14.9	13.1	9.9	12.1	11.3	10.2	8.9						14.4	14.4
-221		7 35	10.1	6.5	6.1	4.6	6.8	4.4	3.9	3.2						10.1	8.1
AA-104-217		7 21	20.3	17.6	15.0	14.1	13.3	10.3	8.6	5.9						13.9	14.6
-218		7 23	20.7	18.6	16.2	17.0	15.3	12.2	10.7							14.9	18.0
-219		7 24	20.7	18.0	15.4	16.1	15.1	12.2	10.6	7.8						14.8	16.0
-222		7 41	21.6	19.5	18.0	18.4	16.6	13.6	12.4							16.3	19.1
-223		7 43	22.3	19.2	17.6	17.7	16.4	13.6	10.7							16.7	18.5
-224		7 46	22.5	19.8	18.1	18.1	16.5	13.6	12.1	10.1						16.5	17.6
AA-103-235	24 SEP 80	6 59	10.5	8.3	6.7	2.7	4.6	4.0	2.5	2.0						10.4	8.5
-236		7 1	1.8	-.2	-1.1	-3.1	-.3	-4.4	-6.4	-7.5	-15.3					3.7	-2.9
-237		7 3	5.8	4.5	6.2	4.8	3.5	1.3	.2							9.9	6.7
-238		7 4	9.4	6.8	6.6	7.5	8.5	3.9	2.0	2.7						11.5	8.8
-243		7 24	8.6	5.8	8.1	9.7	5.2	3.5	2.5	2.1						10.7	8.4
-244		7 26	9.2	7.8	7.4	10.0	7.1	3.6	4.4	3.7						10.3	9.4
-245		7 27	8.2	5.1	3.8	4.6	3.8	.9	-.6	-.5						9.4	6.0
-246		7 29	6.6	4.4	4.1	3.3	2.6	.5	-1.1	-1.4						9.0	5.6
-247		7 31	7.3	3.1	4.5	3.5	4.2	2.5	.6	.5						9.6	6.4
-248		7 32	9.8	6.8	7.3	8.6	6.7	3.9	4.2	3.3						10.3	9.3
-257		15 0	20.2	18.0	14.4	10.8	8.6	6.3	6.7							13.6	15.1
-258		15 1	21.4	19.3	17.1	14.1	11.5	9.4	10.4							14.6	17.8
-259		15 3	20.3	18.4	15.2	11.0	8.4	5.5	5.8							12.7	14.8
-260		15 4	21.2	19.1	16.3	12.8	10.0	8.1	7.1							14.3	15.9
-261		15 6	24.2	22.2	19.9	17.1	14.7	12.0								17.6	20.6
AA-104-239		7 12	25.6	23.6	23.0	22.9	21.9	19.5								16.8	24.4
-240		7 13	24.6	22.2	20.9	21.8	21.5	19.1								15.9	23.4
-241		7 15	23.6	21.4	20.1	20.5	19.7	17.4								15.5	22.3
-242		7 16	25.4	23.1	21.2	21.3	20.6	18.0								15.8	23.0
-249		7 39	24.7	22.4	20.8	21.0	20.2	18.4								15.4	22.7
-250		7 40	23.3	21.0	19.8	20.6	20.1	17.9								14.4	22.0
-251		7 42	21.1	19.0	18.1	18.9	18.6	16.1								14.5	20.6
-252		7 43	22.2	19.9	18.6	19.7	18.9	17.1								14.8	21.2
-253		7 45	22.3	19.9	18.7	19.8	19.6	17.7								15.1	21.7
-254		7 46	23.9	22.0	20.7	21.7	20.8	18.3								15.5	22.8
-255		7 48	22.5	20.5	18.7	19.5	19.1	17.4								14.3	21.4
-256		7 49	22.6	21.0	19.6	20.2	19.8	17.6								15.3	22.0
-262		15 17	16.7	14.1	12.7	13.0	12.3	9.7								14.6	15.8
-263		15 18	13.7	11.4	10.1	10.2	9.0	6.0	5.0							12.0	12.1
-264		15 24	13.2	10.7	9.0	8.2	7.1	4.0	3.6							7.7	9.3
-265		15 26	10.1	7.5	5.0	4.0	4.1	2.0	2.6							7.6	7.9
-266		15 28	12.4	9.3	5.4	3.5	1.0	-2.1	-3.4	-1.3						8.1	4.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D54

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-267	25 SEP 80	7 10	-2.5	-2.5	-4.3	-3.8	-1.7	2.6	11.0	22.3	28.8	38.6	35.3	26.5	25.2	21.6	31.8
-268		7 14	-1.2	-1.4	-2.8	-1.2	.7	4.0	10.6	20.2	32.4	41.6	39.7	30.9	26.5	22.1	31.3
-269		7 17	-.7	.0	-.5	.8	1.9	5.2	11.8	20.8	32.8	41.3	40.7	33.1	30.6	25.8	32.2
-270		7 19	-.1	.5	.3	.6	2.0	4.9	11.8	21.5	32.0	38.2	41.0	28.0	28.6	24.7	31.3
-271		7 22	.4	.6	-.4	1.5	2.5	5.1	11.3	19.2	30.5	40.0	40.2	32.3	32.7	28.5	31.8
-277		7 50	.0	1.1	-.5	.5	1.6	3.8	9.6	20.2	30.4	38.5	39.1	32.7	31.3	28.7	22.9
-278		7 51	2.1	2.9	1.0	2.7	4.3	7.0	13.3	21.4	34.0	40.0	40.7	33.6	32.7	29.8	30.9
AA-104-273		7 32	-1.4	-1.6	-3.4	-2.0	-.9	.8	6.0	14.1	24.4	36.9	35.5	26.3	23.3	20.4	31.3
-274		7 34	-1.4	-1.3	-3.1	-2.2	-1.1	.6	5.6	13.9	25.2	30.0	31.7	26.4	22.5	17.2	33.1
-275		7 36	-.9	-.1	-1.4	-.4	.4	2.1	7.1	16.0	28.7	29.7	27.2	18.6	14.2	10.8	35.8
-276		7 38	.0	.1	-1.7	-.3	1.1	2.4	7.0	15.2	26.0	35.4	33.9	25.6	21.8	17.6	30.4
-279		8 0	.7	1.6	-.2	1.3	2.5	3.7	7.9	15.7	26.0	33.9	36.6	29.1	26.2	22.9	32.7
-280		8 2	.7	1.3	-.2	1.6	2.7	4.0	8.5	15.7	26.9	37.8	37.1	29.3	25.7	23.2	40.3
AA-103-282	30 SEP 80	14 17	4.3	5.9	4.7	6.6	6.8	10.2	15.9	20.2	27.5	31.1	30.8	26.6	26.0	25.6	31.7
-283		14 19	2.5	3.4	2.3	4.1	5.4	8.6	15.2	21.5	27.3	30.8	31.1	27.0	25.7	25.4	31.7
-284		14 21	3.0	3.7	2.3	4.2	5.2	8.5	14.4	21.1	26.8	29.3	30.9	26.9	26.0	24.7	31.3
-285		14 22	3.3	4.6	4.5	7.8	9.5	13.5	19.2	23.4	27.3	29.8	32.4	28.6	26.7	25.3	31.3
-291		14 44	5.2	5.7	6.3	8.7	10.6	12.5	18.3	23.3	28.7	31.9	31.7	27.8	27.5	26.8	29.5
-292		14 47	4.0	5.1	4.2	6.2	8.1	11.3	16.3	22.0	26.2	30.3	30.6	26.9	25.4	25.0	32.6
-293		14 48	3.4	4.2	2.8	4.3	6.4	8.5	15.4	22.3	27.3	31.2	31.6	27.0	25.6	24.5	33.5
-294		14 50	1.3	1.8	.5	1.6	2.3	5.0	11.1	17.2	23.6	26.3	27.1	23.8	22.5	20.5	30.4
-295		14 53	2.8	4.3	2.9	4.7	5.7	8.3	14.5	21.1	28.9	33.9	33.5	28.2	26.4	25.2	31.3
AA-104-286		14 30	4.1	4.6	4.2	6.3	8.3	10.5	15.4	20.3	24.1	27.8	25.3	17.5	12.1	11.0	31.3
-287		14 31	.5	1.2	1.0	4.5	7.3	9.6	14.1	20.5	25.6	28.9	25.8	16.8	12.0	11.0	31.7
-288		14 33	2.8	3.1	2.6	3.8	6.4	8.7	13.1	18.4	25.2	30.5	28.7	19.2	15.1	15.1	31.7
-289		14 34		5.1	4.6	6.6	8.7	11.4	15.1	20.9	25.7	30.1	28.3	19.3	15.2	15.7	30.4
-290		14 37	2.5	2.7	2.5	3.9	6.1	7.6	11.2	17.5	24.1	30.0	28.0	18.6	13.7	13.4	35.3
-296		15 13	2.6	3.6	2.7	3.6	5.2	5.8	9.5	16.3	24.7	31.1	29.3	18.8	13.8	13.2	31.3
-297		15 25	1.9	1.3	.6	1.7	2.9	4.2	8.9	17.4	26.9	32.6	29.4	19.1	13.6	12.2	31.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-267	25 SEP 80	7 10	17.2	11.1	10.7	13.9	14.4	14.1								10.8	16.4
-268		7 14	16.9	15.3	13.7	15.5	15.4	12.8	14.0							12.4	17.8
-269		7 17	20.6	14.3	11.0	10.3	8.7	10.9	10.1							13.4	15.5
-270		7 19	17.9	12.3	7.0	3.2	-2.0	.4	2.3	1.9	-1.5					10.6	5.9
-271		7 22	23.9	20.5	16.2	9.9	8.0	5.2	7.8							13.6	14.6
-277		7 50	25.6	22.4	19.0	16.9	15.8	14.7								13.5	22.0
-278		7 51	26.2	22.3	18.7	12.4	8.8	6.6	4.4							15.4	15.1
AA-104-273		7 32	18.8	18.1	16.5	13.4	7.9	4.8	2.9	3.0						8.1	10.7
-274		7 34	16.7	13.3	13.5	13.1	10.7	6.6	5.6	5.9						8.3	12.3
-275		7 36	8.3	6.0	4.5	5.4	4.4	1.8	1.5							9.0	7.2
-276		7 38	15.6	12.1	8.9											10.1	16.6
-279		8 0	21.6	20.7	19.8	20.1	18.4	15.2								11.4	20.1
-280		8 2	22.0	20.3	19.3	20.0	18.3	15.6								11.8	20.2
AA-103-282	30 SEP 80	14 17	23.1	20.7	18.0	15.8	13.1	10.1								18.4	19.5
-283		14 19	23.2	21.1	19.1	17.3	14.6	11.7								17.1	19.8
-284		14 21	21.9	18.9	16.5	14.0	11.4	8.3								16.9	17.9
-285		14 22	23.0	19.7	16.9	14.6	12.3	9.9								19.6	18.9
-291		14 44	24.7	22.5	20.2	18.6	16.3	13.6								20.8	22.0
-292		14 47	24.1	21.9	19.5	18.3	16.5	13.7								18.3	20.9
-293		14 48	21.8	18.9	16.6	14.5	11.9	9.4								17.7	18.7
-294		14 50	17.9	13.8	10.4	7.7	5.3	2.7	2.5							13.1	11.3
-295		14 53	23.0	20.2	17.6	15.4	12.7	9.8								17.6	19.5
AA-104-286		14 30	10.8	9.4	8.3	9.0	8.4	6.6								14.7	12.1
-287		14 31	9.3	7.8	6.4	6.3	4.6	1.7	1.1							14.1	8.6
-288		14 33	13.6	11.6	9.9	10.0	9.2	6.6								14.6	13.5
-289		14 34	14.7	13.0	11.9	12.0	10.7	8.2								16.6	14.8
-290		14 37	11.3	9.1	7.2	6.9	6.1	4.3								13.9	11.3
-296		15 13	11.7	9.2	7.1	7.2	6.0	3.6	2.1							11.8	8.7
-297		15 25	10.6	8.8	7.5	6.5	5.1	3.4	2.0							11.4	8.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D55

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-299	01 OCT 80	7 0	-1.0	-.4	-2.9	-.8	3.9	9.4	16.2	25.7	28.5	30.7	29.9	26.6	28.5	18.6	31.3
-300		7 2	-.6	-.4	-3.0	-1.1	3.5	9.0	15.6	26.4	28.2	29.2	26.6	18.0	14.5	8.2	33.5
-301		7 3	-.7	-.6	-2.8	-1.1	3.5	8.7	16.2	26.8	29.2	29.8	26.0	16.5	12.4	5.9	32.6
-302		7 5	-.5	-.4	-2.8	-1.2	3.1	8.3	15.5	26.6	30.3	30.7	26.8	16.5	11.5	4.2	31.7
-303		7 7	.2	-.1	-2.6	-1.0	3.7	8.5	15.5	28.7	31.2	31.9	27.4	15.0	9.1	4.8	32.2
-309		7 32	.3	1.1	-1.1	.2	3.3	9.9	16.7	29.9				26.6	22.6	16.6	34.5
-310		7 33	.3	1.1	-1.4	.1	3.3	10.3	17.8	28.3	36.6	41.9	38.7	26.2	21.2	15.1	32.2
-311		7 35	1.0	1.3	-1.0	.4	3.4	9.7	16.3	25.5	35.1	39.7	39.6	26.9	22.2	16.7	31.8
-312		7 36	.7	1.3	-1.0	.2	2.9	8.7	16.1	25.9	34.2	42.1	40.2	28.5	23.6	17.5	31.4
-313		7 38	.6	1.4	-1.0	.4	2.6	8.2	15.5	24.5	33.9	38.4	40.0	31.2	27.7	22.0	32.7
-319		7 59	3.5	5.6	2.7	2.8	4.1	8.8	16.9	29.0	37.6			30.2	25.8	16.4	34.8
-320		8 0	3.6	5.9	3.3	3.6	4.7	8.8	16.6	27.5	36.3			31.6	28.2	19.5	32.6
-321		8 1	4.0	6.4	4.1	4.1	4.9	8.9	16.4	27.8	35.8	39.3		32.4	30.2	23.3	32.6
-322		8 3	3.9	6.9	4.8	4.6	5.2	9.1	16.8	27.8	34.0	41.1		34.0	32.9	28.6	32.2
-323		8 8	3.5	5.7	5.6	7.1	7.7	10.3	17.1	27.6	37.3	42.9	39.1	35.0	34.8	32.3	32.2
AA-104-304		7 17	-6.5	-7.3	-7.6	-4.4	3.0	11.2	9.7	7.5	7.0	10.8	5.1	-3.2	-2.7	-2.9	31.3
-305		7 19	-5.8	-7.1	-7.6	-4.5	3.0	5.5	7.6	8.2	7.1	11.8	9.3	3.4	1.4	-.8	21.9
-306		7 21	-6.6	-7.9	-8.5	-5.5	2.9	6.8	5.5	5.0	5.7	8.4	2.9	-5.9	-5.5	-6.8	32.6
-307		7 22	-6.2	-7.7	-7.8	-4.9	2.9	9.2	7.5	7.4	8.5	11.3	4.8	-6.0	-4.7	-6.7	24.1
-308		7 24	-6.4	-7.5	-7.5	-5.0	2.6	10.4	6.0	6.9	8.7	10.9	5.8	-4.2	-3.5	-4.8	31.3
-314		7 44	-7.1	-8.0	-8.7	-7.3	-3.2	.2	7.8	10.6	10.4	13.3	7.6	-.9	.7	.8	31.3
-315		7 46	-7.4	-8.6	-9.5	-7.5	-3.1	2.2	7.1	6.0	7.1	10.2	6.8	.0	-.9	-2.8	31.8
-316		7 47	-7.5	-9.1	-10.2	-8.8	-4.0	1.4	4.4	4.1	6.3	9.3	4.5	-6.7	-10.9	-12.9	31.3
-317		7 49	-6.8	-8.4	-9.4	-7.6	-2.4	5.7	6.9	5.3	6.5	8.9	4.1	-6.5	-9.6	-11.8	30.9
-318		7 50	-7.5	-8.8	-9.6	-8.0	-2.6	7.0	5.0	3.6	5.4	8.3	3.9	-6.2	-9.2	-11.8	33.5
-324		8 15	-7.0	-8.0	-8.9	-7.0	-3.4	.7	7.8	7.8	8.3	10.4	6.2	-5.0	-8.2	-10.9	34.5
-325		8 17	-7.7	-8.1	-8.3	-5.8	.5	10.0	5.6	5.0	6.9	12.5	12.6	-.1	-2.7	-2.9	32.7
-326		8 18	-8.4	-9.1	-9.9	-7.9	-3.7	1.3	4.3	1.8	1.8	4.3	.5	-8.7	-10.2	-10.4	31.3
-327		8 20	-7.3	-8.0	-8.9	-6.8	-1.9	4.0	6.2	4.7	5.2	7.2	3.7	-5.3	-7.4	-8.1	32.7
-328		8 22	-7.4	-8.0	-9.0	-7.1	-3.9	.5	5.6	5.5	5.9	9.4	6.6	-3.0	-6.3	-7.4	30.4
-329		8 24	-7.3	-7.7	-8.7	-6.8	-3.1	2.2	7.8	5.5	4.8	7.6	4.5	-5.1	-8.1	-9.1	33.5
AA-105-330	16 DEC 80	7 29	-1.4	-1.7	-3.6	-3.0	-1.7	-.5	7.3	15.6	22.0	28.6	29.0	20.2	17.3	11.6	29.5
-331		7 31	-3.8	-3.1	-5.4	-4.6	-2.6	-.7	6.4	14.0	20.6	24.9	25.4	16.3	14.7	10.4	45.6
-332		7 34	.4	-.6	-2.0	-1.8	-.6	.9	7.5	16.8	25.5	32.0	33.4	25.0	22.2	15.5	33.6
-333		7 36	1.4	1.0	-.8	.0	1.1	1.1	6.6	14.5	24.1	31.1	33.6	25.7	24.7	18.0	34.4
-334		7 39	-1.7	-1.8	-4.2	-3.5	-1.8	-1.1	5.2	12.6	19.3	25.0	24.9	18.3	17.4	13.3	32.2
-335		7 41		-1.6	-2.2	-1.6	.4	1.8	8.3	16.2	23.0	26.5	28.5	20.6	19.2	15.4	33.6
AA-106-336		7 51	5.3	7.1	7.9	10.1	11.1	11.6	13.9	18.6	26.1	33.6	33.4	31.0	28.9	25.3	32.4
-337		7 53	3.8	5.4	7.2	11.9	15.6	15.0	15.9	21.4	28.0	31.2	31.5	28.9	27.1		34.1
-338		7 56	3.4	5.7	5.5	7.1	9.9	11.3	15.9	21.3	24.6	29.3	29.9	26.2	25.1	21.7	37.3
-339		8 7	5.6	6.3	6.3	7.4	9.8	10.7	12.8	17.5	23.8	30.6		30.9	29.7	26.1	32.3
-340		8 9	5.8	6.6	6.8	9.7	12.4	12.7	14.3	19.0	26.2	33.3	32.7	29.2	27.6	24.5	34.1
-341		8 11	6.7	8.3	8.3	9.0	9.9	9.2	10.2	15.8	22.3	31.3	34.1	30.4	29.0	26.0	33.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E55

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-299	01 OCT 80	7 0	16.0	14.6	14.4	14.4	16.8	15.7	15.4							15.2	18.4
-300		7 2	4.2	6.3	7.4	6.9	11.4	8.7	7.1	8.4						12.1	9.4
-301		7 3	.6	3.7	-.8	1.3	5.7	.8	-1.0	-2.5	-9.2	-15.4				3.6	-2.8
-302		7 5	.8	2.8	-3.5	-.8	5.6	.7	.2	-.4	-5.3					7.2	1.9
-303		7 7	8.3	2.0	1.1	4.3	5.9	5.4	5.6	4.2						10.0	6.5
-309		7 32	13.7	9.8	9.3	10.0	14.6	9.7	12.5	8.7						14.2	13.4
-310		7 33	11.5	7.0	4.9	8.1	9.0	6.8	6.4	4.9	-.5					12.2	8.2
-311		7 35	13.7	9.8	3.2	9.0	8.0	12.8	12.1	10.1						14.0	12.1
-312		7 36	10.1	7.8	11.4	7.3	9.2	9.8	9.0							13.8	12.6
-313		7 38	12.2	5.7	10.0	8.4	11.2	11.9	11.6	9.4						13.7	12.5
-319		7 59	7.1	.5	-2.3	-4.8	5.8	9.3	4.2	5.2						9.7	4.2
-320		8 0	10.0	3.0	-.1	-3.4	4.1	10.2								11.3	6.1
-321		8 1	14.0	5.9	1.5	-1.9	3.3	8.1								12.5	7.6
-322		8 3	22.8	14.9	6.8	6.7	4.3	9.0								16.0	13.1
-323		8 8	28.4	21.3	12.2	8.8	10.5	10.2	14.8							18.4	16.9
AA-104-304		7 17	-5.7	-6.9	-.8	-4.3	-8.0	-6.1	-7.7	-8.4						1.1	-4.7
-305		7 19	-4.6	-6.7	-6.7	-3.0	-7.0	-8.1	-4.1	-7.3						1.7	-4.3
-306		7 21	-7.9	-6.3	-6.2	-5.2	-11.2	-8.4	-10.0	-10.6	-15.9					-1.3	-7.8
-307		7 22	-9.3	-9.3	-6.1	-7.9	-12.2	-8.9	-11.6	-12.7	-20.0					-2.6	-9.9
-308		7 24	-5.8	-8.4	-7.4	-6.3	-10.8	-10.8	-12.5	-13.0	-19.5					-2.1	-9.4
-314		7 44	-.6	-3.1	-4.5	-3.6	-5.0	-5.0	-6.9	-7.9						2.3	-2.9
-315		7 46	-3.3	-5.0	-5.4	-3.2	-6.7	-8.2	-7.5	-10.8	-16.0					-.4	-6.4
-316		7 47	-11.6	-11.1	-10.2	-6.0	-11.9	-12.6	-14.5	-15.8	-21.3	-26.0				-5.9	-13.5
-317		7 49	-12.3	-10.4	-5.8	-5.2	-10.6	-11.3	-14.1	-15.0	-19.2	-23.7				-5.2	-12.1
-318		7 50	-12.3	-10.8	-4.2	-7.4	-11.1	-11.6	-15.4	-15.9	-20.2	-25.7				-5.8	-13.0
-324		8 15	-11.2	-12.1	-10.2	-8.1	-12.1	-15.3	-16.5	-15.9	-21.0	-23.7				-5.4	-13.1
-325		8 17	-3.6	-7.5	-8.8	-7.1	-6.0	-8.4	-11.0	-11.3	-13.8					-.1	-7.1
-326		8 18	-11.5	-13.5	-11.9	-8.6	-12.3	-16.8	-17.5	-18.8	-22.5	-26.2				-7.1	-14.9
-327		8 20	-9.3	-11.5	-11.3	-9.4	-10.6	-14.4	-16.1	-15.3	-19.3	-22.9				-4.7	-12.4
-328		8 22	-7.0	-7.2	-7.1	-5.2	-7.4	-10.4	-10.0	-10.4	-13.3					-.9	-7.0
-329		8 24	-9.7	-10.9	-10.5	-9.6	-10.9	-13.3	-14.5	-14.5	-16.8					-3.3	-10.5
AA-105-330	16 DEC 80	7 29	9.0	5.0	3.3	3.1	3.4	.7								8.7	8.0
-331		7 31	5.5	2.7	3.1	3.0	-.3	-4.7								7.1	5.0
-332		7 34	11.2	8.8	5.9	6.5	5.4	2.4								10.2	10.5
-333		7 36	11.8	4.9	1.6	2.5	1.1	1.2	-3.0							9.3	6.2
-334		7 39	9.9	5.5	2.5	1.7	-.2	-1.7								7.3	6.1
-335		7 41	12.2	8.3	6.5	4.7	3.2	1.2								10.4	9.4
AA-106-336		7 51	22.5	20.3	19.3	19.0	16.8	13.6								18.7	20.7
-337		7 53	20.6	17.7	16.0		12.9	9.9								20.0	18.2
-338		7 56	18.9	15.9	14.3	12.8	11.8	8.8								17.8	16.1
-339		8 7	23.2	20.5	18.9	18.2	15.9	12.9								17.4	20.1
-340		8 9	21.6	19.0	17.4	16.6	14.3	11.8								18.6	19.1
-341		8 11	23.0	20.7	19.5	17.9	15.7	13.0								16.4	20.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D56

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-342	17 DEC 80	8 2		-1.9	-3.5	-3.8	-2.6	-1.1	7.9	19.7	27.6	38.8			30.1	20.2	35.9
-343		8 8	-2.2	-1.2	-3.6	-3.2	-1.6	-1.1	6.8	16.8	26.1	37.9	39.7	34.1	29.0	20.4	35.4
-344		8 10	-2.2	-1.5	-3.7	-3.4	-2.1	-1.5	6.8	16.7	26.8	37.5	39.0	35.3	30.2	21.0	35.9
-345		8 12	-2.4	-2.4	-3.3	-3.0	-1.7	-1.2	6.7	17.2	26.3	38.1	38.6	30.7	27.3	20.6	44.4
-346		8 14	-.5	-.1	-2.0	-2.2	-1.3	-1.0	6.9	17.4	26.3	40.0	39.9	32.2	26.3	15.9	33.6
-354		13 13		7.7	8.4	12.4	16.6	17.5	19.3	22.7	26.4	28.9	30.5	26.8	28.3	26.7	49.6
-355		13 17		6.1	6.1	8.2	10.6	12.4	16.1	20.2	23.8	27.6	29.4	26.3	28.0	27.8	34.0
-356		13 18		7.8	9.7	11.8	15.9	17.5	21.2	24.7	27.7	30.3	30.8	27.7	29.0	28.2	34.4
-357		13 20		6.6	8.1	10.7	13.7	17.5	21.0	23.3	26.1	28.1	28.5	25.3	27.6	27.6	34.4
-358		13 22								26.5	27.9	31.5	31.8	28.4	29.7	28.7	34.4
-359		13 23			7.5	10.3		16.3	20.3	23.0	26.0	30.3	31.2	28.3	30.4	29.0	33.5
AA-106-360		13 42	-.9	-1.9	-3.2	-3.0	-1.0	-2.1	1.8	8.4	19.7	28.1	29.3	21.7	18.1	14.7	21.9
-361		13 45	-.4	-1.7	-2.7	-3.2	-1.5	-2.0	1.7	8.1	18.2	25.0	26.3	18.9	14.8	10.8	32.2
-362		13 50	-1.9	-3.8	-5.1	-5.6	-3.7	-3.3	2.5	12.7	17.1	25.1	27.9	20.6	15.2	10.6	32.6
-363		13 54	-2.9	-4.7	-6.1	-6.8	-4.9	-4.0	2.2	11.5	17.4	23.0	23.3	14.9	11.1	3.7	29.1
-364		13 57	-2.0	-4.2	-6.0	-6.8	-5.0	-4.5	1.0	10.9	17.5	24.2	24.5	11.9	5.8	2.4	34.0
-365		14 1	-1.3	-2.1	-3.6	-4.5	-2.9	-3.2	2.3	10.7	21.1	29.5	30.8	20.9	13.5	6.0	34.4
-366		14 6	-.8	-1.6	-2.9	-3.5	-2.2	-3.1	1.3	9.2	20.0	29.1	29.5	21.3	15.0	8.0	33.5
AA-105-367	08 JAN 81	10 30	-2.2	-2.2	-.4	5.9	14.9	23.2	30.9	35.2	33.6	29.6	23.4	17.5	12.2	7.3	35.4
-368		10 31	-3.6	-2.4	-.4	7.1	16.3			34.8	33.8	28.2	21.4	16.0	13.3	7.6	38.5
-369		10 34	-2.3	-2.5	-.4	7.5	17.3	24.4		35.5	35.2	29.6	24.7	19.1	16.0	12.9	34.5
-370		10 35	-1.4	-1.7	.9	8.8	17.8			32.5	34.9	30.8	24.8	20.0	17.7	11.0	35.8
-371		10 37	-1.2	-1.4	.6	9.1					36.6	32.8	28.1	22.6	18.7	13.1	35.4
-372		10 39												22.0	19.9	16.9	34.5
-373		10 41															35.4
AA-105-378	09 JAN 81	8 48	-6.7	-6.4	-3.6	7.6	17.1	7.3	7.3	11.6	6.3	6.2	1.9	.9	.8	-2.1	35.4
-379		8 50	-6.4	-6.2	-3.7	7.6	17.6	8.7	6.3	11.0	5.0	3.5	-1.4	-4.1	-4.9	-6.3	35.4
-380		8 51	-5.8	-5.6	-3.0	8.5	21.0	14.4	12.3	15.3	9.9	3.8	.5	-4.0	-6.8	-9.8	35.8
-381		8 52	-6.3	-5.9	-2.9	7.8	18.1	11.8	12.2	14.2	15.1	9.9	8.4	3.9	2.1	-1.6	38.1
-382		8 57	-6.5	-6.3	-3.9	6.2	15.6	14.1	14.0	15.1	15.1	9.8	6.0	2.5	.8	-.8	35.8
-383		8 58	-6.2	-5.6	-3.3	6.5	15.3	13.1	15.8	15.7	13.8	11.5	7.6	4.8	2.7	1.6	36.7
-384		8 59	-6.3	-6.0	-3.6	6.1	12.9	8.9	10.6	9.0	6.2	2.2	-3.0	-6.0	-7.4	-9.4	37.6
-385		9 1	-5.8	-5.3	-3.1	7.2	14.6	13.4	12.9	10.6	12.6	9.3	7.1	5.9	3.1	3.2	35.4
-386		9 2	-6.0	-5.3	-3.0	7.7	15.5	14.8	13.3	11.1	13.1	10.1	6.4	3.3	1.4	.3	37.6
-387		9 3	-5.8	-5.4	-3.0	7.9	20.0	20.8	19.1	14.9	17.4	16.8	11.1	7.5	6.9	4.0	39.4
-388		14 9		-1.1	1.9				29.3		34.5		27.3	23.7	22.3	20.6	36.7
-389		14 12		-1.4	1.6	10.3			30.5				28.0	24.8	23.6	21.4	33.5
-390		14 14		-1.7	1.3	10.2			33.2		35.2		26.9	23.2	20.8	18.8	31.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E56

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-342	17 DEC 80	8 2	15.3	13.4	15.7	12.0	5.8									9.2	15.5
-343		8 8	14.8	8.3	1.1	3.3	1.8	-5.5	-10.4							6.1	1.0
-344		8 10	12.8	6.2	2.1	4.2	1.4	-.6	-9.4							6.7	2.2
-345		8 12	12.9	5.4	2.2	6.1	3.2	-2.0	-9.6							6.6	1.8
-346		8 14	6.2	2.0	7.4	3.4	-5.4	-3.7	-10.0							3.9	.5
-354		13 13	24.6	22.0	21.4	20.2	18.1	15.3								22.7	22.5
-355		13 17	27.0	24.5	24.2	23.4	21.4	17.7								20.2	24.6
-356		13 18	26.0	23.1	22.7	21.9	20.1	16.6								23.6	23.8
-357		13 20	26.2	24.3	23.9	23.3	20.9									23.0	25.5
-358		13 22	27.3	25.2	24.9	23.8	21.7	18.4								20.0	25.7
-359		13 23	27.6	24.7	24.6	23.4	21.5	17.6								23.5	25.1
AA-106-360		13 42	11.3	7.7	6.5	5.5	2.9	1.1								6.7	8.4
-361		13 45	7.3	4.5	3.7	3.3	.6	-1.2								6.5	6.1
-362		13 50	7.5	4.6	3.4	2.7	1.1	.1								5.9	6.4
-363		13 54	.4	-.8	-.7	1.3	1.4	-1.5								4.3	3.6
-364		13 57	-1.1	-3.0	-3.4	-1.3	-3.6	-7.8								3.5	.1
-365		14 1	3.3	.8	1.9	4.0	4.4	2.5								5.7	6.1
-366		14 6	4.2	2.1	2.0	2.4	2.3	1.9								5.6	6.1
AA-105-367	08 JAN 81	10 30	3.1	1.0	-.4	-.5	-1.3									7.5	2.8
-368		10 31	1.5	-3.0	-4.9	-4.4										5.3	.0
-369		10 34	9.0	3.3	1.7	1.3	1.5									10.0	5.6
-370		10 35	4.0	-2.3	-1.7	1.4	4.9									7.7	2.7
-371		10 37	6.1	1.8	3.4	1.8										10.6	6.4
-372		10 39	13.0													24.3	21.2
-373		10 41															
AA-105-378	09 JAN 81	8 48	-3.1	-3.7	-1.3	1.2	1.8	3.5	2.2							1.3	-.5
-379		8 50	-6.8	-5.4	-2.9	-.7	-.1	1.2	.3	-.2						-1.9	-3.7
-380		8 51	-12.4	-12.8	-11.9	-9.6	-7.7	-7.6	-12.9	-14.8	-13.0	-18.0				-6.7	-10.7
-381		8 52	-4.4	-5.2	-3.0	-2.2	-1.0	.3								1.4	-1.6
-382		8 57	1.4	2.4	3.7	3.9	4.1	4.7								3.8	2.9
-383		8 58	-.5	-1.5	-1.4	-.6	-1.0	-1.0	-2.1	-1.6						3.4	.4
-384		8 59	-8.2	-3.5	-3.7	-5.8	-2.2	-4.6	-2.4	-3.5						-3.2	-5.6
-385		9 1	2.5	3.1	4.4	5.6	6.9	9.1								5.2	5.0
-386		9 2	.5	.8	2.2	2.2	1.9	3.5								4.2	2.6
-387		9 3	1.6	3.2	4.3	6.7	7.5	8.2								6.3	5.5
-388		14 9	19.2	17.1	15.9	15.5										17.5	19.7
-389		14 12	19.7	18.0	17.1	16.9										17.1	20.8
-390		14 14	16.7	14.2	13.2	12.8										16.4	17.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D57

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-391	09 JAN 81	14 38	-2.5	-4.0	-.8	9.5				29.9	29.6	24.9	21.1	17.9	15.4	11.3	16.5
-392		14 42	-3.3	-4.4	-.5	9.4			24.9	24.0	21.3	14.8	8.0	3.5	-.5	-3.8	37.6
-393		14 44	-4.3	-4.9	-1.2	8.2		18.9	26.8	27.4	26.1	18.4	10.5	4.7	.1	-3.7	41.6
-394		14 45	-2.8	-4.8	-1.0	8.9			27.2	28.9	29.3	24.0	17.5	13.2	9.9	4.4	37.6
-395		14 47	-3.3	-4.6	-1.1	8.2	21.9		28.7	28.9	28.8	23.6	16.6	11.4	8.0	4.0	35.3
-396		14 49	-3.9	-5.4	-1.8	9.0			25.9	26.6	27.1	21.7	14.7	10.6	5.6	-.9	36.7
-397		14 50	-3.5	-4.9	-1.4	8.7			29.1	29.7	26.6	20.9	14.1	9.1	4.6	.4	38.5
-398		14 52	-3.5	-4.9	-1.4	8.2		28.5	26.4	27.1	24.9	18.6	11.8	6.4	3.4	-.3	36.2
AA-105-399	13 JAN 81	8 7	.5	2.2	4.3	11.5	23.9		37.9	38.4	39.0	37.6	32.5	30.7	28.7	26.3	35.8
-400		8 11	-.5	2.6	5.1	12.1	24.1				36.9	34.9	30.0	28.5	27.5	25.4	28.6
-401		8 13	1.7	2.7	5.1	12.0	24.9	29.8	35.9	37.4	39.1	36.6	31.6	29.5	27.7	24.9	35.3
-402		8 14	1.0	2.2	4.4	11.2	24.1	29.1	34.2	37.4	38.2	37.0	31.9	29.8	28.3	25.3	34.4
-407		8 35	1.7	3.0	5.4	12.5	24.4	30.5		37.3	37.6	36.4	31.2	28.9	27.0	24.5	34.4
-408		8 37	.2	1.9	4.4	12.2	24.3	30.2	35.6	36.1	36.9	35.5	30.8	28.2	26.6	23.4	34.9
-409		8 38	-.1	1.2	3.7	11.0	22.7			34.9						23.8	34.5
-413		13 7	2.1	2.5	4.5	12.3	24.2		38.3	40.9	39.8	39.1	34.5	31.8	30.7	27.9	37.6
-414		13 11	.4	1.9	3.9	11.0	21.6	29.8	36.5	38.1	37.4	36.7	32.3	28.8	27.7	24.6	35.4
-415		13 14	1.6	2.0	4.1	10.2	21.0	28.8	35.7	38.0	38.3	37.8	33.6	30.0	28.8	26.2	34.5
-416		13 16	1.8	2.6	4.5	11.7	23.3			39.5	40.0	39.2	33.8	30.5	28.9	26.4	35.4
-417		13 18	1.3	1.7	3.6	10.7	21.4	29.7	35.2	38.2	40.0	37.9	34.1	30.3	29.3	26.7	35.4
AA-106-403		8 23	-5.0	-5.2	-1.4	10.7	23.9	21.9	24.5	21.8	18.7	12.4	7.3	3.1	-1.6	-5.0	35.3
-405		8 26	-6.0	-5.8	-1.6	11.2	24.2	20.3	20.3	18.2	16.3	9.9	5.3	3.0	-1.1	-7.0	36.7
-406		8 27	-5.9	-5.6	-.9	10.8	22.5	19.0	17.6	14.6	12.0	7.6	2.4	-1.6	-5.0	-7.9	34.4
-410		8 45	-6.5	-6.2	-2.0	10.7	23.4	17.3	16.5	15.5	13.6	10.2	4.5	-.9	-3.5	-6.5	35.8
-411		8 47	-5.8	-5.6	-1.4	9.6	23.8	21.4	21.9	21.6	18.8	14.5	8.1	3.7	-.1	-3.1	36.7
-412		8 50	-6.5	-6.0	-1.5	11.5	23.7	19.9	20.7	18.1	14.9	9.8	5.0	1.6	-1.5	-6.6	30.9
-418		13 31	-2.9	-4.0	-.4	10.1	23.6	26.2	27.6	27.1	26.3	20.5	13.9	8.9	4.2	.7	34.5
-419		13 35	-3.2	-3.9	-.5	8.9	22.5	25.9	26.0	24.8	24.0	21.6	17.7	12.0	7.8	1.9	35.4
-420		13 37	-1.8	-3.0	.5	10.5	23.5		29.8	27.4	24.1	21.1	16.0	10.5	5.9	1.6	21.1
-421		13 39	-3.6	-4.6	-.8	9.5	23.2	23.5	26.3	26.1	24.7	19.8	14.3	8.7	4.3	2.4	34.5
-422		13 40	-3.9	-4.7	-1.2	9.3	24.0	26.8	28.0	27.1	25.4	22.4	15.4	8.4	3.5	-.9	35.4
-423		13 42	-4.1	-5.0	-1.4	8.5				26.9	27.2	23.0	17.5	13.2	8.9	3.8	38.5
AA-105-424	15 JAN 81	8 19	-1.9	-1.8	.8	10.7	20.4		34.7	37.2	38.2	36.6	30.5	26.1	24.6	22.1	34.5
-425		8 21	-1.8	-1.5	1.0	11.4	21.0	27.0	32.7	34.0	35.9	34.2	29.6	24.4	23.1	19.2	35.4
-426		8 22	-1.6	-1.7	.8	11.0	22.4	30.7	35.2	38.6	40.5	38.1	31.2	26.5	25.6	22.5	35.8
-427		8 23	-.8	-1.1	1.4	11.4	21.4	29.3		38.3	38.4	36.6	30.7	25.3	23.7	21.0	35.4
-428		8 25	-.9	-1.3	1.8	12.5			34.6	36.7	37.7	35.0	30.7	25.6	22.9	18.8	34.5
AA-106-429		8 33	-2.6	-4.5	-2.1	8.2	24.5	29.9	34.7		33.6	29.7	26.8	20.4	17.5	15.7	35.4
-430		8 34	-3.1	-5.0	-2.3	8.0	23.7	28.5	32.1	32.9	32.2	27.5	25.9	23.1	20.6	19.4	34.5
-431		8 36	-2.9	-4.8	-2.2	8.3	24.4	28.8	31.9	33.1	31.4	26.8	24.5	20.3	17.9	16.9	34.9
-432		8 37	-3.7	-5.3	-2.6	7.5	23.3	28.2	31.3	31.6	31.3	28.2	27.2	23.2	19.4	18.7	34.5
-433		8 39	-2.9	-4.8	-1.9	9.3				21.1	16.3	16.0	21.4	18.6	16.0	14.7	35.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E57

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-391	09 JAN 81	14 38	5.8	3.5	1.9	.2	-3.7	-8.6								4.1	-.3
-392		14 42	-7.4	-9.1	-8.5	-7.2	-9.8	-16.3								-4.4	-8.8
-393		14 44	-7.9	-8.4	-7.3	-5.5	-8.4	-13.9								-2.9	-7.0
-394		14 45	-1.0	-4.0	-4.6	-4.1	-7.7	-12.9								-.6	-5.1
-395		14 47	-.8	-2.7	-4.0	-4.8	-8.3	-11.6								.0	-4.6
-396		14 49	-6.5	-8.6	-9.3	-7.5	-9.2	-13.8								-3.4	-7.6
-397		14 50	-4.6	-7.2	-8.3	-7.2	-10.5	-16.1								-3.6	-8.2
-398		14 52	-5.2	-6.9	-6.6	-5.7	-10.1	-15.4								-3.0	-7.5
AA-105-399	13 JAN 81	8 7	24.8	23.8	23.0	21.8	16.3									21.6	23.5
-400		8 11	23.8	22.6												22.4	28.6
-401		8 13	23.4	22.1	21.0	20.1	14.3									21.8	21.6
-402		8 14	23.4	22.1	21.3	19.0	14.3									21.2	21.5
-407		8 35	22.3	21.4	20.2	19.3	14.0									21.2	21.0
-408		8 37	21.5	20.0	19.2	18.3	13.4									20.3	20.2
-409		8 38	22.0	20.2	19.1	18.2	13.2									19.8	20.3
-413		13 7	25.9	25.6	25.3	24.1	19.9									22.0	26.1
-414		13 11	22.5	22.2	21.4	19.6	15.3									20.6	21.9
-415		13 14	24.3	24.0	23.5	22.7	19.0									20.9	24.7
-416		13 16	24.9	24.1	23.7	22.2	18.1									21.6	24.4
-417		13 18	24.8	24.1	23.7	22.6	18.2									20.7	24.6
AA-106-403		8 23	-4.8	-5.9	-5.2	-3.2	-7.6	-13.5								-.1	-6.3
-405		8 26	-6.0	-6.3	-5.4	-2.9	-8.2	-14.8								-.9	-6.9
-406		8 27	-8.9	-10.2	-8.1	-5.5	-14.5	-20.3								-5.4	-12.3
-410		8 45	-9.2	-10.4	-9.0	-8.4	-11.6	-20.0								-5.0	-11.5
-411		8 47	-5.7	-4.1	-3.5	-2.3	-6.5	-12.5								.4	-5.1
-412		8 50	-5.9	-7.0	-7.0	-5.2	-8.9	-17.5								-2.8	-9.1
-418		13 31	-.4	-3.8	-3.7	-2.2	-4.8	-9.7								1.8	-2.9
-419		13 35	.3	-.3	.1	1.7	.7	-3.6								5.5	1.5
-420		13 37	-1.2	-2.8	-2.0	-1.1	-2.8	-6.9								3.6	-1.1
-421		13 39	1.2	-1.3	.2	1.6	.1	-3.5								5.6	1.4
-422		13 40	-1.4	-4.8	-6.1	-3.2	-2.9	-9.4								2.0	-3.2
-423		13 42	1.7	.4	-2.1	.9	-.6	-3.9								5.7	1.2
AA-105-424	15 JAN 81	8 19	18.6	16.2	14.6	13.8	9.4	3.5								15.5	13.5
-425		8 21	16.4	13.7	12.2	11.1	6.8	1.2								14.4	11.1
-426		8 22	19.5	17.2	16.4	15.1	10.1	5.0								16.4	14.9
-427		8 23	18.1	15.5	13.9	13.1	8.9	3.4								15.8	13.2
-428		8 25	15.8	13.7	12.6	11.4	6.5	1.9								15.3	11.6
AA-106-429		8 33	11.1	8.5	6.2	2.8	-2.8	-9.5	-16.2							.0	-4.3
-430		8 34	16.0	13.4	11.6	8.4	2.1	-3.0								8.5	6.3
-431		8 36	13.6	9.9	7.2	3.7	-2.2	-8.3	-15.4							.9	-3.4
-432		8 37	14.4	9.5	8.0	5.6	.8	-4.7	-11.6							4.0	.1
-433		8 39	10.3	7.9	4.9	.0	-7.2	-12.9	-16.8	-24.9						-7.7	-12.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE D58

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-441	04 FEB 81	8 22	3.6	3.3	2.3	2.7	6.6	10.5	20.6	23.2	26.9	28.5	26.0	19.6	17.7	15.4	36.7
-442		8 23	4.9	5.6	5.1	5.5	9.4	12.5	21.5	25.3	28.4	30.3	27.0	20.6	19.2	16.1	36.2
-443		8 27	1.2	2.8	2.3	3.6	7.3	11.7	20.5	25.8	28.3	30.4	27.6	21.8	20.3	18.1	32.6
-444		8 28	5.0	5.3	4.0	3.2	6.6	10.7	20.6	25.7	27.9	30.4	28.4	22.6	20.2	18.1	37.6
-445		8 30	4.7	4.9	3.7	3.8	6.7	10.7	20.5	26.4	29.0	31.2	29.2	23.2	21.1	18.7	37.6
AA-106-446		8 38	-5.4	-8.6	-8.4	-7.6	-.6	5.8	11.9	10.3	13.8	12.8	7.2	-2.0	-4.3	-7.1	26.4
-447		8 40	-1.8	-5.3	-5.1	-4.6	1.4	9.7	18.7	20.1	19.9	15.3	9.8	-.3	-2.2	-6.7	40.7
-448		8 41	-2.3	-5.4	-5.2	-4.8	1.3	9.0	16.3	19.8	21.9	18.7	11.3	-.2	-2.8	-3.7	37.6
-449		8 43	-2.6	-5.1	-5.6	-5.5	.0	7.2	18.3	21.0	23.5	20.3	11.3	2.0	-.4	-4.0	37.6
AA-105-450	12 FEB 81	13 10	1.8	.8	-.8	.7	5.0	9.3	19.2	28.0	33.2	33.9	30.5	24.4	23.2	20.7	36.2
-452		13 29	2.7	1.1	.2	1.9	7.0	11.0	21.1	31.4	36.9	37.5	33.1	27.4	26.3	23.6	27.3
-453		13 32	3.5	2.8	1.7	3.3	8.2	13.3	22.7	31.6	34.8	36.6	32.8	27.2	26.2	23.5	34.4
AA-106-455		13 56	-1.4	-3.3	-4.1	-3.5	3.2	9.5	18.4	23.3	27.0	27.0	21.1	12.0	9.4	6.5	36.2
-456		13 58	.4	-2.1	-2.8	-2.7	3.5	9.7	21.1	31.4	34.4	31.5	23.8	15.2	14.2	11.0	36.7
-457		14 1	-.4	-3.0	-3.9	-3.3	3.4	10.5	20.4	28.0				11.7	11.2	8.1	34.4
-458		14 6	.0	-2.6	-3.4	-2.9	3.1	9.2	20.6	30.9	34.7	32.4	25.5	17.3	15.3	12.4	31.8
AA-105-469	25 FEB 81	12 59		6.1	5.5	6.4	7.7	8.7	10.3	13.1						25.6	34.4
-470		13 1	1.7	2.2	.9	1.3	1.9	2.6	3.9	7.5	13.3	21.4	24.8	22.1	22.3	21.4	34.4
-471		13 2		2.4	1.9	3.4	4.9	4.4	6.9	10.7	18.3	25.8	27.2	23.7	24.0	23.2	33.5
-472		13 4	2.0	2.0	1.1	1.9	4.0	4.3	5.9	9.9	17.0	25.8	28.8	24.3	24.5	22.8	32.2
-473		13 5	3.1	4.2	3.3	4.8	7.3	7.7	8.3	12.5	19.3	26.1	29.3	25.7	26.9	25.1	32.6
AA-106-464		8 33	4.2	3.4	2.5	2.4	3.8	1.5	3.2	7.9	16.0	27.0	30.8	27.6	25.2	22.2	31.7
-465		8 34		2.9	2.4	3.5	5.9	3.6	5.8	11.4	19.4	29.7	33.2	28.6	26.6	22.8	33.5
-466		8 36		3.0	2.2	2.5	4.7	2.9	4.8	9.3	17.4	28.3	32.9	29.6	27.4	23.6	31.3
-467		8 37	3.4	4.8	4.1	3.9	5.7	2.9	4.4	9.2	17.5	29.8	33.5	29.5	27.6	23.8	34.4
-468		8 39		4.5	3.4	3.0	4.7	2.3	4.2	9.3	17.7	28.8	32.7	28.9	27.2	22.9	33.5
-474		13 16	4.8	3.4	2.7	3.1	4.6	1.7	3.2	6.6	12.5	21.4	27.9	26.3	26.2	22.7	34.4
-475		13 18	2.3	2.0	1.2	2.3	5.2	3.0	5.4	8.9	14.8	22.6	26.6	23.7	22.3	20.6	33.5
-476		13 19	3.0	2.2	1.0	2.1	4.0	2.3	4.5	9.1	15.1	23.8	27.9	23.9	23.6	21.4	34.4
-477		13 26	2.9	4.3	3.3	3.9	6.1	5.7	8.1	11.5	17.8	25.1	27.0	22.7	23.0	21.5	35.3
-478		13 29		3.9	3.3	5.4	7.5	5.2	7.7	11.5	17.7	25.2	26.9	22.7	22.8	21.4	34.9
AA-105-479	27 FEB 81	7 15	-2.0	-4.7	-7.1	-6.9	-4.1	-2.7	6.5	18.1	22.9	31.6	26.4	15.9	15.5	9.0	34.4
-480		7 17	-2.5	-5.1	-7.6	-7.3	-4.4	-2.7	6.6	17.9	22.2	29.1	23.8	13.9	14.3	9.6	34.4
-481		7 18	-2.1	-4.9	-7.3	-7.2	-4.4	-2.6	6.8	18.7	23.0	33.1	28.8	15.6	13.5	10.8	34.4
-482		7 20	-2.8	-5.3	-7.5	-7.2	-4.2	-2.5	6.7	18.5	23.3	33.2	28.8	16.7	15.3	10.5	34.4
-483		7 21	-3.8	-5.4	-7.6	-7.3	-4.4	-2.5	6.6	18.7	23.4	33.4	28.8	16.3	14.9	10.4	33.5
-489		7 43	-2.8	-5.5	-7.7	-7.2	-4.2	-2.6	5.8	16.1	19.6	23.0	18.1	12.4	12.2	7.0	33.5
-490		7 45	-3.2	-5.7	-7.8	-7.2	-4.4	-2.6	5.6	16.0	19.3	22.1	1..1	11.3	11.6	7.5	34.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E58

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-441	04 FEB 81	8 22	14.2	13.9	14.6	15.9	16.5	16.8								14.9	16.4
-442		8 23	15.0	14.7	15.7	16.8	17.9	18.0								17.1	17.5
-443		8 27	16.6	16.6	16.9	18.4	18.1	17.6								16.3	18.8
-444		8 28	16.5	16.0	16.0	17.9	18.1									16.3	18.6
-445		8 30	16.6	15.8	15.7	17.0	17.6	17.0								16.5	18.2
AA-106-446		8 38	-8.4	-8.1	-6.7	-3.3	-4.4	-1.1								.4	-4.5
-447		8 40	-6.9	-5.4	-3.9	-.6	.7	5.0								2.4	-2.2
-448		8 41	-4.1	-5.1	-3.8	-1.6	-1.0	2.4								3.1	-1.4
-449		8 43	-5.7	-5.8	-5.1	-2.2	-.5	.8								2.9	-2.1
AA-105-450	12 FEB 81	13 10	20.1	20.6	21.9	23.9	24.1	24.1								14.9	22.9
-452		13 29	21.6	21.2	21.2	22.5	22.0									16.4	23.7
-453		13 32	22.3	22.4	23.1	24.8	24.2									17.9	24.9
AA-106-455		13 56	5.1	2.5	1.2	1.2	-.8	-2.5								7.8	3.4
-456		13 58	8.0	5.6	3.7	2.4	-.4	-2.8								8.6	4.1
-457		14 1	6.1	3.0	1.8	1.5	-1.8	-5.4								8.0	2.3
-458		14 6	10.0	6.2	3.7	2.8	.4	-2.3								8.7	4.7
AA-105-469	25 FEB 81	12 59	23.3	19.9	18.9	16.5	11.7									16.2	20.4
-470		13 1	18.7	14.9	12.9	10.8	6.4	3.1								9.7	12.8
-471		13 2	20.5	17.8	16.5	14.4	10.6	7.6								12.7	16.6
-472		13 4	18.9	15.9	14.3	12.0	8.3	5.8								11.5	14.8
-473		13 5	22.4	19.6	18.1	16.0	11.8	9.0								14.8	18.2
AA-106-464		8 33	17.5	11.9	9.3	7.9	3.3	-2.1	-8.3							8.0	4.0
-465		8 34	18.5	13.0	10.5	10.1	5.9	1.1								11.4	10.8
-466		8 36	19.3	14.1	11.8	11.1	6.8	1.8								10.6	11.6
-467		8 37	19.3	14.2	11.9	11.3	7.2	1.7								10.6	11.6
-468		8 39	18.2	14.4	12.0	10.8	6.9	1.6								10.4	11.4
-474		13 16	19.4	15.0	12.0	11.1	8.5	5.4								8.9	13.3
-475		13 18	16.8	11.3	8.5	8.0	5.3	2.3								10.2	10.8
-476		13 19	17.9	12.7	10.5	9.9	6.5	2.0								9.9	11.6
-477		13 26	18.9	14.9	11.7	10.8	8.5	4.9								12.6	14.2
-478		13 29	18.8	15.1	12.4	12.0	9.5	6.5								12.8	14.8
AA-105-479	27 FEB 81	7 15	6.7	5.1	6.7	5.9	1.3	2.1	-2.0							7.7	6.9
-480		7 17	6.7	4.5	6.4	5.4	-.2	1.1	-2.6							7.4	6.2
-481		7 18	7.8	5.8	6.6	4.8	.9	2.3	-1.7							7.8	7.0
-482		7 20	9.1	8.1	7.0	5.8	1.7	2.3	-1.4							7.9	7.6
-483		7 21	9.1	7.4	6.9	6.9	2.8	3.8	-1.1							8.2	8.1
-489		7 43	4.2	.6	-1.5	.6	-1.8	-3.9								5.9	3.6
-490		7 45	4.1	.6	-2.0	-.7	-2.0	-5.2								5.8	3.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	1.3	-.7	-2.1	-2.3	-.1	-2.7	.2	6.9	19.0	32.2	34.9	28.8	25.1	20.1	34.4
-486		7 31	1.0	-.8	-2.6	-2.7	-.6	-3.2	.7	8.2	22.2	34.7	33.4	26.7	21.7	16.2	29.0
-487		7 32	.4	-.8	-2.3	-2.7	-.9	-3.1	.1	7.0	20.1	30.8	31.6	25.2	19.7	13.4	35.7
-488		7 34	1.7	-.3	-1.5	-2.2	-.1	-2.6	.6	7.3	20.5	31.0	33.3	28.5	22.6	16.7	34.4
-491		7 51	4.4	5.0	5.1		9.2	7.2	9.6	13.8	21.8	32.0		29.7	27.5	25.6	35.8
-492		7 53	5.3	4.6	4.7	4.9	8.4	6.1	9.1	14.3	22.1	32.4	34.6	28.7	26.3	24.6	36.6
ESA STATISTICS:																	
MINIMUM			-8.4	-9.2	-10.2	-8.8	-9.0	-8.1	-7.6	-5.7	-2.6	2.2	-3.0	-8.7	-10.9	-12.9	14.3
MAXIMUM			9.4	17.5	22.5	24.1	26.7	31.1	38.3	40.9	40.5	46.2	47.8	38.6	40.7	39.3	49.6
AVERAGE			.0	.4	.3	2.6	5.7	7.8	13.1	19.0	23.9	28.0	26.8	20.8	18.6	15.4	32.0
STANDARD DEVIATION			3.9	4.6	5.1	6.1	7.9	7.9	8.2	8.0	7.9	8.6	9.5	10.1	10.6	10.7	4.4
NUMBER OF DATA POINTS			337	373	386	382	369	365	375	382	385	382	374	390	391	392	396

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1255 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1255 M

DATE 02 FEB 87
PAGE E59

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-485	27 FEB 81	7 29	14.0	6.8	2.2	.6	-.1	-.5								6.2	5.8
-486		7 31	9.2	2.0	-2.5	-4.2	-5.6	-6.2								4.9	1.0
-487		7 32	7.7	2.0	-2.2	-5.3	-9.0	-10.8	-10.7							3.6	-2.6
-488		7 34	12.1	6.2	2.3	.7	-2.4	-5.0	-6.2							5.6	2.8
-491		7 51					14.5	11.9								14.7	21.2
-492		7 53	21.0	18.1	16.3	16.1	13.5	10.5								14.0	18.2
ESA STATISTICS:																	
MINIMUM			-12.4	-13.5	-11.9	-9.6	-14.5	-20.3	-17.5	-24.9	-22.5	-26.2				-7.7	-14.9
MAXIMUM			37.7	36.1	35.1	33.6	31.7	28.3	18.7	13.8	5.4	-3.8				35.3	35.9
AVERAGE			12.5	10.1	8.9	8.7	7.1	4.7	2.0	-.3	-9.5	-18.4				11.0	10.5
STANDARD DEVIATION			10.5	10.1	9.6	9.2	9.3	9.3	8.2	7.6	8.3	8.2				7.4	10.0
NUMBER OF DATA POINTS			393	392	390	386	379	350	186	121	34	11				394	394

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D60

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-036	06 DEC 79	11 14	2.9	3.1	2.8	4.8	4.9	7.2	11.9	18.4	26.6	35.2	39.1	35.5	30.8	26.4	20.2
-037		15 15	7.1	8.1	10.5	13.6	13.4	16.7	21.8	21.7	22.7	26.0	27.0	24.1	23.2	22.1	29.1
AA-101-038	12 DEC 79	10 50								30.3	30.0	32.4	33.4	29.9	28.1	27.6	30.4
-039		11 18	2.0	1.8	1.8	2.4	3.2	6.4	10.2	13.9	17.6		30.2	28.2	24.8	20.3	30.0
-040		13 10	1.9	1.8	1.8	3.1	4.8	10.2	14.9	21.1	21.6	25.9	30.2	24.7	18.2	13.5	29.5
AA-101-041	13 DEC 79	11 30	3.7	3.4	3.6	4.8	4.9	7.4	11.6	15.0	16.3	19.2	22.8	24.1	19.6	14.7	30.0
AA-101-043	14 DEC 79	12 6	-3.4	-2.8	-2.3	.0	2.4	3.2	5.8	9.1	12.2	19.9	24.9	23.7	20.9	19.9	24.6
AA-101-044	23 JAN 80	11 54									20.9			20.2	16.8	15.0	21.5
AA-101-049	29 JAN 80	13 27							21.1	21.8	22.3	26.0	26.7	24.6	21.7	21.0	21.0
AA-101-052	05 FEB 80	13 37	.4	.4	.7	1.1	2.8	2.3	8.4	18.0	21.9	27.0	29.9	27.1	22.9	16.2	27.7
AA-101-054	13 FEB 80	11 26	4.7	7.9	8.5	8.7	12.6	17.3	28.4	31.7	32.9	34.7	32.0	28.2	26.9	27.7	31.7
AA-102-057		14 43	-6.0	-8.1	-8.7	-7.4	.5	11.8	20.1	22.3	25.7	31.9	20.8	7.7	2.4	-3.0	24.6
-058		14 51	-2.1	-5.8	-5.9	-5.8	4.1	17.9	22.4	25.3	32.5	32.1	17.8	11.0	6.4	4.5	25.5
-059		15 15	-5.7	-7.9	-8.7	-7.7	.3	12.8	20.4	21.6	25.2	29.3	19.3	10.0	2.0	-3.4	33.1
AA-101-060	14 FEB 80	9 54	3.5	2.7	3.0	3.3	6.3	10.7	22.1	27.6	31.8	33.4	32.4	28.3	25.8	24.5	43.4
-061		11 3	1.5	3.5	4.3	5.8	9.1	13.2	23.2				31.3	27.3	26.2	24.3	28.6
AA-101-065	20 FEB 80	11 19	5.0	6.4	7.3	8.3	11.4	9.7	10.2	12.2	16.1	25.0	31.7	34.0	35.0	35.8	29.5
AA-102-067		13 11	-3.6	-4.3	-4.1	-4.7	-4.8	-5.7	-5.8	-3.7	1.9	12.4	21.4	21.1	24.3	24.7	30.6
AA-101-068	21 FEB 80	14 10	-3.7	-3.1	-3.6	-4.0	-4.6	-7.4	-6.4	-4.5	-.3	7.2	14.8	18.6	21.4	17.2	29.2
-069		14 13	-2.1	-1.3	-1.9	-3.2	-4.9	-5.4	-6.2	-4.8	1.4	12.9	19.7	23.3	25.2	17.7	24.6
AA-102-070		14 33	7.5	7.8	12.3	14.5	17.0	18.6	18.9	20.6	22.1	26.2	26.9	25.1	23.3	23.8	27.7
AA-101-073	27 FEB 80	11 57		11.2	12.6	15.7	21.1	23.3	23.4	24.7	24.8	29.3	27.5	22.3	18.4	16.4	25.0
AA-101-074	01 APR 80	11 3	7.9	11.2	12.9	14.8	18.1	18.7	22.6	29.5	32.1	34.3	37.2	35.6	35.2	34.3	33.6
-075		11 22		9.4	11.2	11.2	15.1	13.4	18.2	22.2	26.9	32.6	35.1	33.0	31.2	29.4	28.1
AA-101-076	03 APR 80	11 17	3.9	5.5	5.0	4.7	8.0		12.8	17.1	22.8	30.0	32.6	30.9	28.8	25.8	27.7
-077		14 12	1.0	.1	-.8	-1.2	.7	1.1	7.1	14.6	22.8	28.0	29.8	28.2	27.4	21.7	35.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:
DISTANCE 1757 M

DATE 02 FEB 87
PAGE E60

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-036	06 DEC 79	11 14	22.3	16.0	11.0	8.2	6.2	4.0	3.0	1.7						12.9	11.2
-037		15 15	18.8	15.7	13.9	13.1	10.4	7.3	3.8	-1.4						16.6	11.5
AA-101-038	12 DEC 79	10 50	27.4	25.4	24.3	23.7	21.6	19.0								29.8	25.7
-039		11 18	15.5	10.5												6.7	15.8
-040		13 10	9.3	4.0	1.0	.0	-.3	-1.2	-3.1	-5.8						8.7	3.1
AA-101-041	13 DEC 79	11 30	11.1	7.1	3.0	1.0	-2.7									8.1	11.0
AA-101-043	14 DEC 79	12 6	17.6	11.8	8.0	6.5	2.8	-.4								9.1	10.1
AA-101-044	23 JAN 80	11 54	12.3	8.3	5.5											19.1	12.6
AA-101-049	29 JAN 80	13 27	19.0	14.6	12.0											22.2	19.7
AA-101-052	05 FEB 80	13 37	11.4	7.3	6.8	6.0	2.3	-3.0								9.3	6.2
AA-101-054	13 FEB 80	11 26	25.5	23.5	24.2	25.3	24.4									21.3	26.5
AA-102-057		14 43	-2.4	-2.3	-.5	1.9	-1.7									6.5	2.5
-058		14 51	4.8	4.8	4.0	5.8	2.6									9.0	6.1
-059		15 15	-4.7	-3.7	-1.7	-.6	-5.6									6.3	1.2
AA-101-060	14 FEB 80	9 54	22.3	18.4	16.8	16.0	12.1	5.7								13.6	16.3
-061		11 3	22.3	19.4	18.6	17.2										12.0	22.6
AA-101-065	20 FEB 80	11 19	33.7	28.0	24.5	23.3	21.7	18.9	16.6							16.6	24.7
AA-102-067		13 11	18.7	10.5	6.0	2.6	.0	-2.6								1.2	8.5
AA-101-068	21 FEB 80	14 10	7.9	3.0	1.7	-.2	-1.3	-1.7	-5.0							-.8	2.5
-069		14 13	11.8	7.6	5.7	6.1	3.0	.0	-.3							1.2	7.2
AA-102-070		14 33	21.3	18.6	16.3	13.6	11.9	10.1								21.0	18.8
AA-101-073	27 FEB 80	11 57	14.2	11.3	10.0	7.6	4.6	1.0								15.5	10.2
AA-101-074	01 APR 80	11 3	32.9	29.6	28.2	27.2	26.6	24.3								26.0	30.2
-075		11 22	28.3	24.8	23.1	21.3	21.7	19.9								20.4	25.6
AA-101-076	03 APR 80	11 17	22.1													14.7	24.1
-077		14 12	16.6	9.1	4.6	2.9	1.8	-.7	2.4	-.9						10.5	7.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-080	10 APR 80	9 39							20.4	22.3	23.6	27.3	27.4	25.8	24.1	22.9	15.2
-081		10 47			15.1	16.2	18.1	19.9	20.8	20.9	20.8	22.9	23.2	19.8	18.3	18.2	34.4
-082		11 47				13.8	19.1	18.0	18.1	19.1	20.5	22.6	23.7	22.1	20.8	20.3	32.2
-083		12 3		1.7	5.5	6.4	7.6	7.6	7.6	9.5	9.6	12.1	12.5	8.8	5.8	5.1	33.5
AA-101-087	11 APR 80	10 51	3.7	5.4	6.3	10.5	13.8	15.5	15.5	20.4	22.6	24.4	25.8	25.6	25.2	23.8	25.5
AA-101-088	16 APR 80	10 4	3.2	4.8	4.5	4.8	7.5	9.6	12.9	18.2	24.0	27.9	30.8	29.7	26.6	22.2	34.0
AA-101-089	17 APR 80	11 23	6.7	7.3	7.7	9.3	12.9	12.8	16.4	19.0	22.1	27.9	30.0	28.8	27.7	26.8	29.6
AA-101-090	18 APR 80	11 6	4.5	4.6	5.0	6.6	8.3	10.1	14.1	18.8	22.0	24.1	26.3	24.5	22.4	22.3	23.3
AA-101-092	22 APR 80	11 2							24.6		27.8	30.7	30.2	26.5	23.6	20.3	25.0
AA-102-093		14 10	-3.1	-5.0	-6.0	-5.0	-.2	5.3	12.0	15.8	19.6	20.1	16.2	7.3	1.9	-.2	14.8
AA-101-094	06 MAY 80	14 33	2.9	2.9	2.5	4.4	7.4	12.6	17.5	22.8	28.4	31.8	30.6	25.6	23.4	20.8	29.1
AA-101-096	08 MAY 80	10 26	-1.4	-.3	2.6		6.7	13.8		23.3	20.4	21.4		19.8			15.7
AA-102-097		14 52	-1.4	-3.1	-3.5	-.7	3.7	9.1	13.9	18.6	25.7	30.0	21.8	8.5	5.3	1.4	29.1
AA-101-098	09 MAY 80	10 40	7.7	10.0	13.2	16.5	20.5	23.7	25.3	28.2	30.2	32.1	31.5	27.9	26.5	24.0	34.3
AA-103-101	09 SEP 80	7 10	-.5	.6	-.3	1.9	4.8	7.7	12.9	22.6	32.8	33.9	32.7	23.2	17.6	11.6	30.0
-103		7 24	.0	.7	-.4	1.3	5.5	9.2	15.8	21.6	25.1	30.5	33.4	27.5	19.8	12.9	29.5
-105		7 35	1.0	1.2	.4	1.8	4.6	10.1	15.8	19.5	27.7	29.4	26.4	17.7	16.8	14.0	32.2
-112		12 58								29.0	32.2	33.2	32.3	28.0	29.5	27.9	28.6
-114		13 10							26.5	29.0	29.9	32.9	32.2	27.2	28.5	27.6	32.2
-116		13 23			13.1	17.0		22.2	24.7	25.2	27.4	30.2	30.3	25.4	26.2	25.5	30.4
-118		13 37			12.2	17.3	18.9	24.1	26.3	26.8	29.3	31.5	32.2	26.7	27.7	26.8	30.4
-120		13 53			12.8	17.4	18.8	20.7	24.6	24.9	26.5	29.3	29.4	25.7	26.9	25.7	29.5
-122		14 8									30.4	31.4		26.1	27.7	27.1	26.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE E61

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-080	10 APR 80	9 39	21.3	19.4	17.9	17.7	17.2	15.5								23.0	20.2
-081		10 47	17.5	15.8	14.8	13.3	12.7	10.5								19.3	15.9
-082		11 47	19.7	17.6	16.6	15.3	14.9	12.1								19.5	17.8
-083		12 3	5.9	6.5	6.3	5.2		3.4								8.3	7.8
AA-101-087	11 APR 80	10 51	22.5	19.5	16.7	15.2	13.4	10.7	11.0							18.4	17.5
AA-101-088	16 APR 80	10 4	17.7	14.0	13.2	13.3	14.8	10.4								13.9	20.0
AA-101-089	17 APR 80	11 23	25.6	22.4	20.4	19.2	18.2	15.3								18.9	21.8
AA-101-090	18 APR 80	11 6	21.3	17.0	15.6	15.8	15.6	14.0								16.2	18.4
AA-101-092	22 APR 80	11 2	20.9	21.3	21.2	20.8	21.4									25.7	22.6
AA-102-093		14 10	-.9	-.9	-.9	1.6	-1.5	-1.5								6.8	2.2
AA-101-094	06 MAY 80	14 33	18.4	14.9	12.2	10.1	8.9	5.3								17.0	14.7
AA-101-096	08 MAY 80	10 26														9.6	21.3
AA-102-097		14 52	2.4	.8	2.5	3.1	-.1	-5.0								7.8	2.9
AA-101-098	09 MAY 80	10 40	21.7	18.0	15.9	14.1	12.1	7.7								21.9	17.6
AA-103-101	09 SEP 80	7 10	6.5	4.2	5.6	.7	3.5	2.3	-.1	-3.4						9.2	5.0
-103		7 24	12.2	16.0	9.5	7.8	12.0	11.7	7.7							15.0	13.5
-105		7 35	3.8	3.5	.7	-1.1	-1.5	.6	2.2	-.5						9.7	4.3
-112		12 58	26.0	25.3	24.3	23.7	21.3	16.6								29.0	24.8
-114		13 10	25.2	24.4	23.5	22.5	20.6	16.0								27.5	23.9
-116		13 23	23.2	22.6	21.8	21.1	18.7	13.5								24.4	21.7
-118		13 37	24.3	23.5	23.2	22.1	19.3	14.0								25.6	22.8
-120		13 53	23.5	22.3	21.1	20.3	17.7	12.6								23.9	21.2
-122		14 8		25.0				15.6								30.4	26.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D62

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-102	09 SEP 80	7 17	-8.7	-7.9	-6.2	2.1	7.6	5.0	10.2	16.3	13.4	11.6	8.1	-1.9	-3.8	-3.9	32.2
-104		7 30	-9.4	-8.8	-10.0	-6.6	-.9	4.3	3.1	1.3	3.6	8.1	.0	-9.1	-7.5	-4.9	34.5
-106		7 40	-9.1	-9.2	-10.6	-8.0	-3.4	-1.0	3.6	3.0	4.1	6.2	-1.1	-8.3	-8.2	-9.9	37.6
-108		7 50	-9.9	-9.6	-10.7	-8.1	-3.6	-1.3	-2.0	-2.9	-.1	3.0	-5.7	-16.4	-15.6	-13.9	31.3
-110		8 1	-9.7	-9.6	-11.0	-8.4	-4.7	-3.2	-.7	-.2	3.6	8.0	-.1	-8.9	-8.1	-8.7	36.7
-113		13 4		1.6	-.3	1.3	4.8	11.0	21.5	20.7	28.6	34.9	28.9	12.8	8.3	8.5	33.6
-115		13 16	4.9	5.4	2.5	5.1	9.9	13.5	20.0	25.3	33.2			15.7	12.9	11.5	35.3
-117		13 29	-1.1	-.8	-3.0	-1.3	1.2	5.1	11.5	16.1	21.9	27.2	22.8	3.7	1.4	1.2	29.5
-119		13 47	1.3	1.0	-.7	1.1	4.4	11.1	18.6	18.7	25.2	29.4	24.9	10.1	6.2	6.1	31.3
-121		14 3	-2.6	-1.8	-3.2	.7	6.8	15.8	18.0	20.5	26.2	27.0	21.9	7.3	5.6	4.5	31.4
-123		14 13	-1.3	.0	-1.5	.3	3.5	7.4	11.6	17.1	24.2	27.9	23.3	9.1	7.1	4.7	31.3
-124		15 18	.6	-1.5	-3.0	-1.0	4.1	8.8	16.1	19.2	27.0	28.8	18.4	9.6	2.5	.1	30.4
AA-103-125	10 SEP 80	6 58	-5.0	-5.4	-6.5	-5.9	-4.1	-1.7	3.4	8.3	12.7	15.1	18.9	10.8	6.9	2.8	30.4
-127		7 11	-3.9	-3.7	-4.0	-2.0	-.1	2.0	7.9	13.9	20.4	22.4	22.6	11.9	8.6	3.6	30.4
-129		7 22	-4.1	-4.1	-4.8	-4.4	-2.7	-.5	4.9	9.9	15.7	18.2	22.1	13.3	11.2	7.9	29.5
-131		7 33	-3.1	-3.4	-4.1	-3.5	-1.7	1.0	6.7	13.4	18.2	19.8	21.9	13.9	11.3	6.7	28.2
-133		7 44	-2.9	-2.6	-3.5	-2.5	-.5	2.6	7.3	12.3	19.6	21.9	23.5	14.4	13.3	9.4	29.5
-135		13 0	.2	.0	-.1	1.3	2.4	2.3	7.3	12.9	18.5	22.7	26.8	23.1	22.1	17.5	29.9
AA-104-126		7 4	6.3	8.2	7.0	8.2	10.2	11.8	16.6	23.9	31.6	38.7			32.1	26.9	38.5
-128		7 16			12.2	12.3	13.7	15.3	20.8	26.2	33.2	39.1	38.5		32.3	28.2	31.3
-130		7 28															31.3
-132		7 39			8.3	9.1	12.8	14.7	18.7	21.2	29.9	37.6	37.2	34.7	31.4	26.8	31.3
-134		7 50			8.7	11.7	14.9	17.4	19.0	24.6	29.4	37.4	38.3	34.3	32.3	27.4	30.4
-136		13 4	7.1	8.1	6.9	8.1	12.1	14.6	19.4	24.9	26.5	31.3	31.0	25.2	24.9	22.6	30.4
-138		13 14		8.7	9.9	12.4	16.0	19.1	20.0	22.0	22.5	25.6	25.6	20.2	20.4	19.9	30.4
-140		13 24	6.2	8.9	9.7	13.7	15.7	17.2	22.1	23.1	26.2	28.7	29.8	24.3	23.7	21.5	30.4
-142		13 36		7.1	7.8	9.1	11.7	12.4	17.2	22.6	27.4	30.8	29.5	25.5	25.2	22.1	28.7
-144		13 49		10.2	9.9	10.3	13.4	14.1	19.8	23.9	29.2	33.4	32.8	27.7	27.9	25.2	29.5
AA-103-145	16 SEP 80	7 19	2.0	2.4	1.7	2.4	6.1	12.2	19.6	22.3	31.3	41.5	39.0	30.2	26.1	18.5	36.2
-147		7 34	-.1	.1	-1.1	-.6	2.7	7.4	13.9	21.3	32.0	35.5	33.8	24.0	20.2	15.7	31.3
-149		7 47	1.2	1.1	.1	.7	2.6	6.9	12.1	19.0	31.7	35.7	35.8	26.3	23.6	19.5	29.5
-151		8 0	3.7	4.4	3.4	4.4	6.5	10.3	15.2	21.4	32.1	37.8	37.0	29.3	27.6	26.4	30.4
-153		8 12	3.3	4.0	3.3	3.6	5.2	10.0	14.3	20.8	31.7	34.4	35.4	29.7	30.2	29.2	29.5
-155		13 12		9.5	11.4	12.7		20.2	25.1	29.8	34.4	37.4	37.0	31.5	32.7	30.2	30.4
-158		13 49	5.4	9.1	10.4	13.5	16.1	19.8	26.6	29.0	31.7	35.6	35.4	29.8	30.6	29.1	32.7
-159		13 51							26.0	29.5	33.9	38.2	37.4	31.5	33.3	31.6	31.3
-160		13 54						20.0	25.3	29.0	32.3	37.1	36.4	30.8	31.8	30.1	32.2
AA-104-157		13 42	1.2	.0	-2.1	-.9	3.6	8.0	15.3	19.1	24.9	31.7	26.3	14.0	11.7	8.3	34.0
-161		14 8	-1.3	-1.7	-3.9	-2.3	2.8	9.2	19.6	17.5	21.8	31.7	23.1	6.0	5.7	5.3	24.2
-162		14 11	-1.0	-1.6	-4.0	-2.7	2.1	8.7	16.7	19.0	22.7	27.6	20.7	4.9	4.1	3.3	29.1
-163		14 13	-4.0	-5.0	-5.7	-2.3	4.2	10.6	17.1	15.8	19.0	23.2	19.7	6.9	1.8	.8	21.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

PARAMETERS:
ALL DATA LISTED

DATABASE:

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

DISTANCE 1757 M

DATE 02 FEB 87
PAGE E62

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-102	09 SEP 80	7 17	-5.0	-6.1	-6.6	-2.4	-7.5	-9.1	-7.8	-10.9						.6	-5.6
-104		7 30	-4.7	-7.0	-5.2	-6.2	-10.7	-14.9	-16.9	-18.1						-3.1	-9.9
-106		7 40	-11.6	-9.7	-8.9	-10.1	-11.7	-16.6	-19.0	-20.7						-5.6	-12.5
-108		7 50	-12.7	-13.0	-14.6	-12.5	-17.2	-21.8	-25.2	-26.9						-9.8	-17.5
-110		8 1	-9.1	-8.8	-7.6	-8.8	-12.1	-15.2		-18.7						-3.9	-10.1
-113		13 4	4.1	4.6	6.0	6.9	3.4	-.7								12.8	7.5
-115		13 16	8.2	8.0	7.2	8.8	6.3	2.5								16.1	10.5
-117		13 29	.3	-1.2	-1.7	.6	-3.0	-7.8	-9.6							6.3	-.6
-119		13 47	5.3	2.7	.7	2.8	1.8	-2.7								11.2	5.3
-121		14 3	4.6	4.3	4.7	4.6	-1.1	-3.7								11.0	4.8
-123		14 13	1.4	-.4	-1.2	.7	-2.3	-7.0								8.6	2.0
-124		15 18	-1.5	-2.4	-1.6	1.3	-1.8	-7.4								8.5	1.0
AA-103-125	10 SEP 80	6 58	-.3	-2.5	-4.1	-5.1	-6.2	-8.7	-9.9	-10.3						1.9	-3.1
-127		7 11	-.4	-1.9	-3.8	-3.8	-4.4	-7.0	-7.7	-8.0						4.1	-1.3
-129		7 22	3.4	2.1	-.3	-1.9	-3.1	-4.9	-4.6	-5.8						4.8	.9
-131		7 33	2.6	.8	-3.4	-6.2	-4.5	-4.5	-6.9	-6.8						4.2	-1.0
-133		7 44	4.7	1.8	-.1	-1.8	-1.9	-3.4	-4.8	-4.2						6.3	1.7
-135		13 0	12.6	9.7	6.2	3.9	2.0	-.3	1.2							10.6	7.9
AA-104-126		7 4	23.1	20.0	17.7	18.3	17.8	15.1								19.8	21.8
-128		7 16	24.8	22.3	20.3	21.1	20.2	17.9								23.8	24.1
-130		7 28															
-132		7 39	23.1	20.3	18.6	19.7	19.1	17.0								21.6	22.9
-134		7 50	23.3	20.8	18.1	18.8	18.3	16.0								23.1	22.8
-136		13 4	19.1	15.9	12.8	12.8	12.2	9.8								20.0	17.2
-138		13 14	16.4	13.9	11.0	11.0	10.2	7.7								19.3	14.4
-140		13 24	18.3	15.3	11.8	10.9	10.3	8.0								20.5	15.5
-142		13 36	19.2	16.1	13.8	14.8	14.5	11.8								19.6	17.8
-144		13 49	22.0	19.0	15.8	15.4	15.1	13.1								21.2	19.5
AA-103-145	16 SEP 80	7 19	18.3	19.8	15.0	14.9	18.1	16.0								17.9	20.3
-147		7 34	9.0	3.6	-.9	3.2	-.1	3.0	1.4	1.3						10.2	5.5
-149		7 47	15.1	13.9	7.2	3.7	4.0	3.6	4.0	4.4						12.6	9.8
-151		8 0	24.0	21.8	18.9	16.8	13.9	10.5	10.9							17.5	19.2
-153		8 12	27.1	25.3	22.6	20.1	17.0	13.5								17.2	23.1
-155		13 12	28.3	26.7	23.7	22.2	19.3	14.8								26.4	24.7
-158		13 49	26.9	26.3	24.7	23.3	20.5	16.1								25.5	25.0
-159		13 51	29.5	28.6	26.9	25.0	22.4	17.3								30.0	26.8
-160		13 54	28.5	27.5	25.7	24.1	20.9	16.4								28.1	25.8
AA-104-157		13 42	5.9	4.9	3.7	5.1	6.3	3.5								11.7	8.1
-161		14 8	3.3	3.7	3.9	7.3	4.9	2.4								10.5	7.2
-162		14 11	3.1	4.0	4.9	6.5	3.4	1.8								10.0	6.9
-163		14 13	1.8	2.0	3.7	4.6	1.7	.7								9.2	5.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D63

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-108-146	16 SEP 80	7 28	-.6	-1.4	-2.1	-2.2	1.2	7.6	17.3	18.7	23.8	23.9	9.7	.4	-2.2	-4.8	29.5
-148		7 40	1.2	-.8	-1.0	-1.4	2.2	6.6	16.6	20.3	26.0	23.9	10.8	3.6	4.7	4.6	31.3
-150		7 53	.2	-1.6	-2.2	-1.9	1.5	6.4	15.4	17.5	23.4	24.5	13.1	4.1	2.5	.3	32.2
-152		8 6	-.8	-1.5	-1.7	-1.1	1.2	6.1	13.9	21.7	27.6	24.9	13.5	7.7	8.1	7.1	30.4
-154		8 21	-.6	-1.9	-2.4	-2.8	-.7	3.4	12.1	20.2	23.6	21.1	10.7	4.7	5.7	4.0	30.4
AA-103-164	17 SEP 80	7 5							33.2	34.9	37.7	40.2	40.7	38.1	40.7	39.3	30.9
-166		7 20								36.3	39.2	42.0	42.1	39.5	41.8	39.8	31.3
-170		7 44						30.7	30.4	31.8	34.2	36.7	38.4	34.8	35.8	34.6	34.9
-171		7 47				23.8	26.2	28.4	31.2	32.4	35.3	38.4	38.6	36.0	37.5	35.8	32.2
-175		13 12	4.3	5.0	5.0	4.9	7.1	10.2	13.8	20.5	26.6	30.2	31.8	25.6	23.8	19.0	30.1
-176		13 22	3.0	4.5	4.0	3.5	6.1	9.8	14.3	20.0	25.7	29.0	29.9	26.4	24.4	21.1	29.6
-177		13 24	2.8	4.6	3.9	3.8	6.4	10.2	14.9	21.3	26.7	30.4	33.0	24.5	21.2	18.8	32.7
-178		13 28	4.3	5.0	4.2	4.6	7.0	10.0	14.0	21.3	28.6	33.0	35.8	26.5	24.0	19.9	35.4
-179		13 34	5.5	6.7	6.5	7.0	8.6	11.8	15.3	21.3	29.5	34.8	36.3	30.7	30.1	25.9	29.6
AA-104-167		7 27	-6.8	-7.2	-7.8	-4.7	-2.8	3.4	3.7	4.4	6.5	16.3	17.1	3.8	.6	-4.9	35.3
-168		7 30	-5.4	-6.8	-8.4	-5.9	-1.1	2.8	7.6	8.2	11.3	17.7	20.6	8.6	4.6	-2.4	32.6
-169		7 33	-4.5	-5.6	-7.0	-4.5	-1.3	3.1	8.7	8.7	10.9	18.6	22.3	10.3	4.9	-1.7	30.4
-172		8 4	-5.9	-7.3	-6.5	-5.3	1.8	6.7	6.3	9.6	16.0	17.2	17.8	7.6	1.4	-.3	29.9
-173		8 23	-8.2	-9.4	-8.3	-4.8	2.8	6.3	7.9	6.2	8.5	12.5	12.1	1.3	-7.4	-8.0	39.3
-181		14 2		10.1	11.0	14.1	15.2	16.7	21.9	25.2	31.5	36.2		31.0	29.3	24.9	27.7
-182		14 4		8.5	8.9	11.9	13.1	13.7	17.7	21.8	29.6	34.6		29.9	28.2	23.6	31.3
-183		14 6	8.0	9.9	11.0	12.3	15.8	17.7	19.7	22.4	28.6	34.8		29.1	27.2	22.2	30.4
-185		14 8			12.6	13.2	14.4	16.0		24.5	30.2			30.2	28.4	22.9	30.4
-186		14 13			10.2	14.0		20.6	21.8	25.8	30.4	34.7		29.1	27.9	23.5	31.3
-187		14 14	4.7	7.0	7.5	9.7	12.9	13.3	18.1	21.5	26.4	30.9		26.6	26.0		34.4
AA-103-188	19 SEP 80	7 1	-1.4	-2.2	-4.0	-3.4	-1.7	1.7	6.5	11.0	16.7	23.2	25.7	17.7	17.2	14.0	31.3
-189		7 3	-1.6	-.8	-2.6	-1.7	.0	2.8	11.0	16.4	17.7	22.2	26.2	18.7	17.7	14.9	32.7
-192		7 21	-3.2	-2.6	-1.9	-2.6	-.6	3.7	10.4	13.8	22.3	29.2	29.3	20.7	17.1	14.7	30.0
-206		8 14	.3	-1.3	-1.2	-1.0	.6	5.0	10.0	16.1	23.1	26.8	27.6	20.6	19.2	18.5	32.3
-207		12 53	3.8	3.5	2.8	3.7	6.5	7.1	10.7	15.1	21.2	26.1	27.8	24.0	25.5	23.0	30.5
-208		12 55	1.4	1.8	1.2	2.3	5.5	6.6	8.7	13.8	20.5	24.6	26.8	23.2	24.3	21.6	31.4
-209		12 57	3.5	2.7	1.7	2.6	3.1	5.3	8.7	12.9	17.2	22.6	25.9	23.5	24.2	21.0	30.5
-210		12 59	2.2	3.0	2.8	2.9	3.9	6.2	8.8	10.4	14.9	21.1	24.7	22.4	23.4	19.9	28.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE E63

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-108-146	16 SEP 80	7 28	-2.1	.7	1.7	.6	6.3	4.5	.2							6.0	2.2
-148		7 40	.9	-2.7	-2.0	2.7	2.4	3.5	.0							7.9	2.4
-150		7 53	-2.0	-1.4	-3.7	-2.9	1.2	1.5	-2.0							5.5	.1
-152		8 6	5.0	.9	-3.9	-4.6	.3	1.8	-3.2	-2.9						5.1	-.6
-154		8 21	1.5	.4	1.6	.3	-1.5	-2.8	-5.9	-7.1						4.6	-1.4
AA-103-164	17 SEP 80	7 5	37.1	35.6	33.9	32.0	29.2	24.6								36.4	34.1
-166		7 20	38.2	36.7	35.4	33.6	31.0	26.3								38.4	35.5
-170		7 44	32.4	31.2	29.7	27.2	24.9	21.4								32.5	29.7
-171		7 47	33.4	32.1	30.4	28.0	25.1	21.4								32.5	30.2
-175		13 12	14.7	12.1	10.1	9.0	8.4	7.8	9.9							16.1	13.8
-176		13 22	17.0	13.2	10.5	8.4	8.0	7.3	9.1							15.7	13.7
-177		13 24	14.9	11.6	10.6	10.8	9.4	7.5								15.6	14.0
-178		13 28	14.9	11.5	11.3	11.6	10.5	8.0	10.1							15.9	14.2
-179		13 34	20.1	16.8	14.1	13.1	11.8	10.3								18.2	17.6
AA-104-167		7 27	-7.8	-3.6	-2.8	-3.1	-3.8	-5.6	-4.6	-3.9						3.5	-1.2
-168		7 30	-4.3	-1.3	.1	-1.6	-2.1	-1.8	-1.7	-2.4						5.9	1.4
-169		7 33	-2.9	-.5	1.5	1.2	-.9	.3	.0	-2.3						6.8	2.7
-172		8 4	-.7	-.4	-.7	-1.8	-2.7	-1.1								5.9	2.3
-173		8 23	-6.4	-4.2	-6.4	-8.5	-7.6									1.6	-2.7
-181		14 2	21.3	19.1	17.4	17.6	16.8	14.6								23.5	21.1
-182		14 4	19.5	17.6	15.1	15.3	14.6	12.1								20.7	18.9
-183		14 6	18.5	16.1	14.4	14.9	14.5	11.8								21.9	18.7
-185		14 8	20.0	17.9	15.9	16.1	15.5	13.2								23.1	19.7
-186		14 13	20.2	18.0	15.8	16.4	16.2	13.9								23.9	19.6
-187		14 14	18.2	14.9	12.2	12.2	11.7	9.8								19.4	15.5
AA-103-188	19 SEP 80	7 1	9.2	6.3	3.3	3.3	4.6	3.1	3.4	4.6						8.6	7.7
-189		7 3	9.7	5.9	2.3	1.3	2.4	1.6	.1	1.1						9.2	6.1
-192		7 21	7.3	4.6	.8	-1.3	-1.5	.5	.0	-2.1						8.5	4.3
-206		8 14	8.1	4.5	1.9	-1.2	-4.4	-5.1	.1	-1.7	-7.1					7.7	2.1
-207		12 53	19.4	16.7	13.6	11.3	9.1	6.6								15.0	15.8
-208		12 55	17.8	15.1	12.0	10.8	8.7	5.6								13.5	13.8
-209		12 57	16.7	14.1	11.2	8.7	6.3	3.8	5.8							12.7	12.6
-210		12 59	16.5	13.7	10.4	8.7	6.5	3.6	6.7							12.2	12.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D64

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-190	19 SEP 80	7 12		12.5	11.2	11.6	13.7	15.1	22.3	30.0	41.1	49.6		39.2	35.1	30.7	28.7
-191		7 14		11.4	10.5	11.3	14.9	16.4	22.0	30.2	41.8			41.9	37.1	32.6	31.8
-195		7 33		9.7	10.5	10.2	12.6	16.4	25.3	33.3	43.9			39.7	34.0	29.5	29.6
-196		7 39		8.5	7.6	7.1	9.6	12.1	20.6	26.4	31.9	45.5	45.0	38.9	33.0	26.9	29.1
-197		7 42	7.7	9.1	8.2	8.1	10.2	13.2	21.2	27.1	35.2	47.6	43.2	38.2	32.5	22.1	29.6
-198		7 44	7.5	8.8	8.7	8.2	9.6	12.3	20.1	28.5	36.7			37.4	31.9	22.2	30.0
-199		7 46	8.0	6.8	5.2	5.2	7.2	10.1	18.0	25.4	34.6	45.7	43.9	34.5	24.9	14.0	29.5
-211		13 16	8.2	7.9	6.7	8.8	11.6	10.5	14.0	18.8	28.4	35.9		31.4	28.6	24.4	29.1
-212		13 21	7.9	6.1	6.4	7.3	10.5	11.4	17.5		27.9			29.5	28.2	23.9	19.2
-213		13 35	9.6	7.8	7.4	9.2	13.9	15.1	18.1	25.2	33.1	38.3	37.4	32.1	27.5	25.7	31.8
AA-103-214	23 SEP 80	7 8	-.5	-1.0	-1.7	-1.7	1.3	6.1	11.2	14.9	21.2	25.8	25.5	21.2	18.5	14.3	30.4
-215		7 10	.2	-.9	-2.4	-2.4	.8	5.0	10.7	17.9	23.4	24.6	25.9	19.6	16.1	11.0	29.5
-216		7 12	-4.0	-3.5	-4.9	-4.1	-1.4	2.9	8.0	15.2	17.9	19.8	20.8	14.8	11.3	7.8	29.1
-220		7 33	-2.7	-.2	-1.1	-.1	3.8	7.4	13.4	19.5	24.1	26.9	27.9	23.9	22.0	18.5	27.8
-221		7 35	-1.2	-.4	-1.5	-1.5	1.9	6.8	12.6	20.0	24.1	26.9	26.8	20.9	19.5	16.2	29.6
AA-104-217		7 21	6.2	6.6	5.0	7.5	10.4	13.0	17.8	24.0	31.2	39.2	36.2	27.3	24.9	20.4	30.4
-218		7 23		8.6	7.0	8.5	10.2	12.4	18.0	24.7	32.7	42.4	38.7	29.5	27.0	23.1	29.1
-219		7 24		7.4	5.7	7.9	9.4	12.1	18.1	24.5	30.9	40.9	38.3	29.4	26.8	22.6	30.4
-222		7 41		7.5	6.8	9.0	11.1	12.5	18.8	24.3	32.3	39.8	35.4	30.9	27.5	24.2	29.1
-223		7 43		6.4	6.2	8.6	11.6	14.3	21.1	25.8	33.8	39.9	35.9	30.5	26.7	23.0	30.4
-224		7 46		6.8	6.8	9.2	12.1	14.3	21.0	27.8	34.4	40.0	37.5	29.2	26.2	23.3	30.4
AA-103-235	24 SEP 80	6 59	-5.1	-4.4	-4.7	-2.3	2.8	9.8	15.2	14.4	16.3	19.5	18.3	7.8	5.6	.8	30.4
-236		7 1	-4.8	-4.4	-4.5	-1.9	4.4	13.1	11.1	10.9	14.2	17.4	18.0	12.5	14.7	7.8	30.4
-237		7 3	-5.0	-4.2	-4.3	-1.6	3.9	10.9	14.2	13.5	15.3	18.2	21.8	16.2	11.4	6.8	32.7
-238		7 4	-5.2	-5.1	-5.8	-3.6	1.8	7.3	16.0	14.0	14.9	18.7	17.9	6.8	5.3	3.6	31.3
-257		15 0		3.7	3.4	4.7	7.2	11.1	15.6	19.3	27.6	33.9	33.5	29.1	29.7	25.7	31.8
-258		15 1	3.3	5.6	4.8	6.7	9.1	14.0	16.6	21.0	26.9	29.8	33.6	29.6	29.8	27.1	31.8
-259		15 3	1.2	1.7	1.6	3.1	5.2	7.8	13.2	19.8	26.7	31.4	32.8	27.6	28.2	24.8	31.8
-260		15 4	2.2	3.8	3.3	4.1	5.9	7.9	12.6	18.4	25.7	31.0	32.3	27.6	27.6	23.4	31.3
-261		15 6	4.3	6.0	5.7	7.8	11.1	14.2	17.7	22.7	30.4	34.0	34.2	30.4	30.7	27.6	31.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE E64

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-190	19 SEP 80	7 12	28.0	25.6	23.8	24.7	23.8	21.5								24.5	27.8
-191		7 14	29.5	27.5	25.4	25.9	25.2	22.8								25.1	29.2
-195		7 33	23.1	21.2	19.7	23.2	23.2	24.3								24.8	25.7
-196		7 39	18.9	13.4	16.4	14.1	18.3	16.5								20.6	19.6
-197		7 42	11.8	5.5	5.8	14.2	21.2	13.9								18.5	13.3
-198		7 44	14.2	9.9	11.0	8.8	17.7	13.6								19.1	14.7
-199		7 46	6.0	6.6	5.9	9.0	5.8	8.2								15.9	10.7
-211		13 16	20.3	17.2	14.4	14.3	13.3	10.9								18.3	18.1
-212		13 21	20.1	16.5	13.1	12.6	11.9	9.4								19.5	17.4
-213		13 35	22.3	18.7	16.3	16.3	16.3	14.4								21.6	20.9
AA-103-214	23 SEP 80	7 8	10.3	7.6	5.9	3.7	3.4	1.5	1.8	2.2						9.7	7.3
-215		7 10	5.7	2.9	1.9	.0	1.9	-.1	.4	.8						7.9	4.7
-216		7 12	3.5	2.3	.3	-2.3	-1.0	-4.5	-5.1	-5.3						4.8	1.0
-220		7 33	13.8	10.7	10.0	6.0	6.4	3.6	3.6							12.1	10.0
-221		7 35	11.1	8.7	7.2	3.6	3.7	1.2	2.9							10.5	7.9
AA-104-217		7 21	17.8	15.3	13.0	13.7	11.9	8.0								18.5	16.1
-218		7 23	20.7	18.4	15.8	16.3	14.6	11.2								19.5	19.0
-219		7 24	20.3	17.6	14.8	14.9	13.4	10.4								19.0	18.0
-222		7 41	21.6	19.5	17.7	17.7	15.8	12.5								19.9	19.8
-223		7 43	20.5	17.8	15.8	16.1	14.5	11.2								20.3	18.3
-224		7 46	21.7	19.4	17.9	18.9	17.2	14.1								21.2	20.7
AA-103-235	24 SEP 80	6 59	-1.6	-3.2	-4.7	-2.9	-6.4	-9.4	-8.6	-12.6	-23.6					-2.6	-9.6
-236		7 1	3.6	-.1	-2.3	-2.6	-5.0	-8.2	-8.0	-10.9						4.9	-1.4
-237		7 3	4.1	1.9	.5	1.4	-1.0	-4.6	-3.0	-6.3						7.5	2.2
-238		7 4	2.8	1.1	.8	.3	-5.4	-8.3	-7.0	-10.5						4.5	-1.1
-257		15 0	23.1	21.0	17.8	14.7	12.0	9.3								18.1	19.3
-258		15 1	23.7	21.7	18.5	15.7	12.8	9.7								19.7	19.9
-259		15 3	21.8	19.7	16.6	13.4	10.4	8.1								16.1	18.0
-260		15 4	19.9	17.5	14.7	12.0	9.3	6.3								16.0	15.9
-261		15 6	25.0	23.0	20.7	18.2	15.2	11.4								20.8	21.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D65

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-239	24 SEP 80	7 12		9.2	7.3	8.9	11.9	15.1	24.3	32.2	41.9				32.0	30.1	28.7
-240		7 13	8.9	8.5	6.3	8.2	11.9	15.0	23.4	31.3	41.3			34.5	32.3	29.8	29.1
-241		7 15	8.0	8.7	5.9	7.6	11.2	15.3	24.2	32.5	41.9			34.8	31.8	29.6	27.3
-242		7 16		8.5	7.0	8.4	11.7	15.2	26.3	33.8	42.8	46.6	42.9	33.5	30.4	29.2	28.2
-249		7 39		8.2	5.8	7.9	10.7	13.0	20.8	27.8	36.2	45.2	40.8	32.0	28.7	26.8	30.4
-250		7 40	7.1	5.8	3.3	5.0	8.3	12.0	20.4	29.7	40.5	45.3	39.0	30.6	27.8	25.3	32.2
-251		7 42	6.0	6.0	4.1	6.4	10.6	14.1	24.1	28.6	36.9		39.7	31.1	28.1	25.7	32.6
-252		7 43	6.5	6.8	5.6	7.6	10.1	14.0	22.1	27.6				31.6	28.2	25.7	32.7
-254		7 46		8.1	6.6	8.4	12.0	15.0							28.0	27.0	32.6
-255		7 48	6.4	7.6	4.9	7.0	10.2	13.6							27.5	25.8	39.4
-256		7 49	6.9	8.1	6.5	10.0	12.0	14.0							27.6	26.4	35.3
-262		15 17	5.9	7.1	5.8	7.5	9.8	12.9	17.8	22.6	30.3	34.3	31.4	21.8	19.4	17.1	32.2
-263		15 18	4.0	4.7	3.7	5.8	8.4	9.9	13.8	17.1	26.0	32.1	28.7	16.5	13.3	10.6	32.7
-264		15 24	5.6	5.2	3.4	4.3	5.3	8.7	10.6	16.8	22.5	31.3	28.7	19.0	18.8	18.1	22.8
-265		15 26	2.2	1.6	-.2	.5	1.6	4.6	9.4	13.4	23.0	31.2	29.2	16.0	8.3	5.0	31.8
-266		15 28	1.5	.7	-1.7	-.8	.3	3.7	8.5	13.9	21.0	32.3	31.2	17.9	14.9	11.2	33.6
AA-103-267	25 SEP 80	7 10	-1.5	-2.3	-2.9	-2.1	.4	3.8	10.0	18.6	28.0	33.2	33.5	25.4	23.3	20.6	31.3
-268		7 14	.2	-.2	-.5	-.1	2.2	5.8	10.2	17.4	30.5	38.1	35.0	29.6	28.1	25.6	31.3
-269		7 17	1.5	1.6	.8	1.4	4.2	9.9	13.2	19.8	31.5	42.1	39.2	30.7	30.8	28.4	32.6
-270		7 19	2.8	2.8	1.4	2.2	6.5	8.6	14.7	20.5	31.4	36.8	40.1	33.4	33.7	30.3	31.7
-271		7 22	2.7	2.8	2.8	3.0	6.0	11.5	15.0	20.9	29.1	39.6	40.2	33.7	33.5	31.3	31.3
-277		7 50	3.6	2.1	2.4	2.8	3.9	7.8	12.6	19.5	30.7	39.9	40.5	33.7	34.3	30.4	22.8
-278		7 51	4.4	5.0	5.1	5.2	8.8	12.7	17.6	24.5	34.8	42.5	41.8	33.8	34.2	31.3	30.1
AA-104-272		7 30	-1.7	-2.5	-3.8	-1.8	.8	4.0	12.1	20.7	31.5	39.3	33.4	21.7	17.3	16.6	35.8
-273		7 32	-1.1	-2.1	-3.8	-2.1	.0	3.2	10.8	19.3	24.3	27.4	25.1	15.8	14.1	13.5	31.8
-274		7 34	-1.2	-1.9	-2.8	-.8	1.1	4.9	12.3	21.8	28.3	29.9	25.7	16.1	12.6	7.8	32.7
-275		7 36	-1.8	-1.8	-2.7	-.3	1.8	5.4	12.5	19.2	29.2	36.1	32.2	19.1	11.2	5.8	36.3
-276		7 38	-1.3	-1.9	-2.9	-.8	1.4	4.3	10.3	16.2	25.6	34.8	32.5	22.3	20.0	15.5	30.9
-279		8 0	-.1	-.4	-.1	1.4	3.6	6.2	12.3	20.6				27.1	23.2	21.8	32.7
-280		8 2	.5	.6	1.2	1.9	4.9	8.0	14.5	21.3	32.0	38.0	33.4	26.5	23.5	21.2	40.3
AA-103-291	30 SEP 80	14 15	5.2	5.6	6.0	7.1	10.1	12.6	17.0	22.6	26.7	31.6	31.4	27.0	26.2	24.9	31.3
-292		14 17			9.9	10.1	12.0	17.8	21.2	24.5	28.6	31.4	30.6	25.3	24.3	23.5	31.7
-293		14 19		4.5	4.6	6.7	9.0	12.7	17.1	20.8	26.4	29.7	30.7	26.1	25.2	24.5	31.7
-294		14 21	4.3	4.9	4.1	5.1	8.0	11.6	16.6	20.9	26.1	30.0	31.5	27.3	25.4	24.3	31.7
-295		14 22	4.9	6.2	6.9	11.1	13.7	18.2	23.1	25.2	28.1	32.0	33.5	29.4	28.0	25.7	31.7
-291		14 44			9.8	13.3	17.0	19.8	24.1	26.3	29.7		32.2	28.8	27.2	26.1	26.3
-292		14 47	4.9	5.9	5.7	8.1	11.8	15.9	20.5	24.1	27.5	28.9	30.7	25.9	24.1	22.9	32.6
-293		14 48	5.3	6.0	5.8	6.8	9.8	13.6	19.5	24.9	28.4	31.7	31.5	26.5	25.0	23.6	33.5
-294		14 50	3.8	3.8	3.2	4.7	8.1	10.6	15.6	21.0	25.8	30.0	31.5	27.1	25.8	24.2	30.4
-295		14 53	4.9	5.9	6.7	9.1	11.6	15.9	19.0	22.9	29.5	33.6	33.1	28.8	26.7	24.8	31.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-239	24 SEP 80	7 12	28.6	26.3	24.4	24.7	23.7	20.3								21.6	26.8
-240		7 13	28.0	25.9	24.0	24.8	23.8									21.2	28.1
-241		7 15	27.8	26.0	24.1	24.8	23.7	20.6								21.1	26.7
-242		7 16	27.9	26.0	23.6	24.1	22.9	19.4								21.7	26.1
-249		7 39	25.3	23.3	21.8	22.2	21.5	19.4								19.9	24.5
-250		7 40	23.3	20.7	18.6	19.8	19.9	18.1								18.1	22.6
-251		7 42	23.8	21.7	19.8	20.6	19.9	17.4								19.6	23.1
-252		7 43	23.7	21.7	20.1	19.9	18.8	16.1								19.9	22.3
-254		7 46	25.4	23.5	21.2	21.7	20.4									21.7	25.2
-255		7 48	24.0	22.4	20.6	21.3	19.4									20.3	24.5
-256		7 49		22.8	20.6	21.3	19.4									21.8	25.0
-262		15 17	14.3	11.9	9.7	9.9	8.9	6.5								17.1	13.2
-263		15 18	9.0	6.6	5.5	6.1	4.6	1.0								13.5	8.5
-264		15 24	15.8	14.3	11.9	10.8	8.6	5.5								12.1	12.3
-265		15 26	1.2	-1.5	-4.4	-4.1	-3.5	-4.3								7.5	1.2
-266		15 28	8.1	4.5	1.3	1.5	-.3	-3.4	-3.9							8.4	3.7
AA-103-267	25 SEP 80	7 10	16.5	13.1	9.7	8.6	11.3	5.3	5.5							11.6	13.2
-268		7 14	20.9	18.4	14.8	11.7	8.9	8.9								13.5	16.8
-269		7 17	23.7	19.4	17.0	13.2	9.1	7.1	7.3							15.4	16.2
-270		7 19	26.1	21.6	15.1	10.1	7.3	2.9	6.0							15.5	13.5
-271		7 22	27.0	23.9	20.6	17.9	14.2	9.9								17.6	20.9
-277		7 50	26.7	23.7	20.0	16.9	14.7	12.3								16.1	21.9
-278		7 51	28.2	25.5	21.6	18.9	17.3	15.1								20.2	24.3
AA-104-272		7 30	16.9	14.4	6.1	3.5	6.2	7.8								10.2	9.6
-273		7 32	11.9	9.4	7.9	8.3	4.7	2.2	2.0							9.4	9.0
-274		7 34	5.9	5.2	3.7	5.1	4.2	.0	.1							9.9	6.4
-275		7 36	2.5	-1.2	-3.5	-1.9	-3.7	-6.4	-2.9							6.9	-.1
-276		7 38	10.9	8.6	3.8	1.1	-.4	-1.6								9.3	5.1
-279		8 0	20.0	17.2	16.0	16.5	14.6									13.3	19.1
-280		8 2	20.1	19.4	17.8	17.8	16.4	12.7								14.7	19.3
AA-103-281	30 SEP 80	14 15	22.4	19.4	16.1	14.1	11.0	7.2								19.4	17.7
-282		14 17	21.1	18.6	15.5	13.6	10.8	7.1								20.8	17.2
-283		14 19	22.0	19.2	16.2	14.4	11.5	7.7								18.5	17.0
-284		14 21	21.1	17.9	13.9	10.9	8.0	4.3								17.3	15.0
-285		14 22	23.1	20.1	16.8	14.3	11.3	7.8								21.1	18.1
-291		14 44	23.2	20.6	17.6	15.6	12.7	7.8								22.6	18.6
-292		14 47	21.6	18.9	15.8	14.5	11.9	8.2								19.1	17.0
-293		14 48	21.0	17.8	14.8	12.6	9.6	6.2								19.5	16.6
-294		14 50	21.1	16.7	12.9	11.1	7.7	4.4								17.2	14.9
-295		14 53	22.7	19.5	16.5	14.3	11.0									21.1	19.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D66

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-286	30 SEP 80	14 30		5.3	5.1	8.2	13.0	15.7	19.8	21.5	24.4	28.3	25.4	15.8	9.7	8.3	31.3
-287		14 31	1.3	1.5	1.0	3.9	7.8	10.2	15.3	21.2	26.4	30.8	27.2	16.0	10.9	10.1	31.7
-288		14 33	3.4	4.7	4.1	5.2	9.5	11.8	18.7	24.1	28.2	33.8	29.4	19.0	14.7	14.8	31.7
-289		14 34	3.9	3.9	3.9	5.8	8.8	12.1	18.7	22.2	27.2	31.7	27.9	16.6	11.7	11.9	30.4
-290		14 37	3.8	4.5	3.8	5.6	9.3	11.3	16.8	22.8	30.9	35.1	31.2	19.5	14.8	14.8	32.2
-296		15 13	4.1	5.1	4.4	5.8	9.1	10.9	17.1	22.6	27.6	32.1	27.9	16.4	11.6	11.0	31.3
-297		15 25	4.3	4.0	2.2	3.3	6.6	8.7	15.2	21.5	30.1	35.0	29.5	17.3	12.7	11.9	31.3
AA-103-299	01 OCT 80	7 0	1.5	1.2	-.2	.9	6.6	15.6	19.4	18.8	24.5	27.9	24.4	16.8	16.6	11.9	31.3
-300		7 2	1.6	1.0	-.2	.4	6.3	15.4	18.7	18.8	25.4	27.7	25.7	22.4	17.4	11.1	32.6
-301		7 3	1.3	.8	-.6	.0	6.2	15.1	18.3	19.1	26.0	28.0	22.1	13.7	17.6	8.0	32.6
-302		7 5	1.6	.9	-.9	.2	6.0	15.0	17.9	19.9	27.7	30.5	24.3	15.5	16.3	9.0	30.4
-303		7 7	2.2	1.7	-.1	.7	6.4	14.9	18.9	20.3	27.4	31.5	24.4	13.9	14.0	5.2	32.6
-309		7 32	2.8	2.9	2.3	3.4	7.4	14.0	19.0	25.1					25.2	20.4	34.9
-310		7 33	2.5	2.9	1.8	3.2	7.1	13.8	20.0	26.8	40.7	44.9	42.1	32.8	26.4	20.4	32.6
-311		7 35	3.4	3.5	2.0	3.3	7.3	13.7	19.2	24.6	38.0	45.9	43.0	31.7	28.1	25.4	31.3
-312		7 36	3.6	3.5	2.3	3.2	7.6	12.6	18.5	24.3	36.1	43.4		36.4	32.0	25.3	31.8
-313		7 38	3.0	3.5	2.7	3.5	7.2	12.6	18.3	23.6	34.7	41.8	43.1	33.3	32.0	23.7	32.6
-319		7 59	3.6	8.1	8.3	7.8	9.6	13.5	19.8	25.2	37.6	45.0			31.5	25.4	35.4
-320		8 0	3.9	8.5	9.1	8.2	10.5	14.2	20.6	25.0	39.1			29.9	25.0	18.3	33.1
-321		8 1	3.5	8.2	10.1	11.0	11.8	15.4	21.3	25.5	38.4			32.7	28.7	20.3	32.2
-322		8 3	4.2	8.2	9.7	11.7	13.8	16.5	21.1	26.9	39.1	41.1	35.8	34.8	33.7	28.5	32.7
-323		8 8	3.6	6.2	7.7	11.8	15.4	18.6	22.8	27.0	37.6	44.1		35.4	34.4	30.3	32.7
AA-104-304		7 17	-7.3	-6.8	-4.3	-3.5	1.9	4.9	8.0	7.6	9.5	12.3	.7	-8.8	-7.7	-4.2	31.3
-305		7 19	-7.9	-7.8	-5.3	-2.9	2.0	8.5	11.8	15.0	15.7	16.6	5.7	-5.0	-4.6	-3.4	31.3
-306		7 21	-8.8	-8.9	-7.0	-3.0	2.4	7.1	11.1	9.0	10.1	11.6	3.7	-4.3	-7.6	-5.1	31.3
-307		7 22	-8.5	-9.0	-6.9	-1.3	3.6	8.9	7.2	7.5	14.7	13.1	4.1	-4.1	-7.9	-5.2	32.7
-308		7 24	-8.5	-8.3	-6.4	-1.6	3.0	8.4	10.5	11.3	13.2	14.6	8.3	-2.1	-4.4	-2.6	31.3
-314		7 44	-7.2	-6.3	-2.8	1.7	.6	2.8	5.8	6.3	9.5	11.4	1.9	-5.5	-5.4	-7.0	31.3
-315		7 46	-7.0	-5.2	-1.1	-1.7	1.1	7.8	3.3	3.8	9.7	10.7	-.6	-6.7	-8.9	-8.5	25.9
-316		7 47	-7.0	-5.0	-1.0	-2.6	1.2	8.7	2.2	2.5	8.8	12.1	.4	-9.6	-10.0	-9.6	31.3
-317		7 49	-7.5	-5.6	-2.7	-5.2	-.5	9.0	4.1	3.6	7.9	13.7	2.1	-6.9	-6.5	-5.0	31.3
-318		7 50	-8.7	-7.7	-4.3	-4.4	-1.2	5.4	8.7	6.1	6.6	12.9	3.0	-4.1	-8.1	-7.6	33.6
-324		8 15	-6.4	-3.4	3.1	1.7	.5	3.2	8.9	9.1	16.2	14.5	5.5	-3.3	-4.9	-6.3	33.5
-325		8 17	-5.3	-1.8	-2.3	-3.7	3.4	7.6	5.0	8.6	15.4	17.9	10.9	1.0	-2.2	-6.3	33.5
-326		8 18	-5.7	-2.1	.9	-2.6	1.7	10.7	6.0	8.8	14.3	12.3	5.0	-3.4	-5.9	-7.3	32.6
-327		8 20	-7.3	-4.7	.5	-.8	-.8	1.9	3.7	4.0	9.5	12.0	3.0	-5.9	-7.3	-6.8	31.3
-328		8 22	-7.2	-5.7	-2.0	6.3	1.8	.7	4.0	6.0	12.9	17.0	7.1	-3.3	-6.3	-4.9	30.4
-329		8 24	-7.8	-6.5	-3.1	3.7	1.4	2.9	8.6	8.8	10.0	14.5	6.6	-3.6	-6.2	-6.0	33.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE E66

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-286	30 SEP 80	14 30	6.9	5.0	3.3	4.2	3.5	1.4								14.9	7.5
-287		14 31	7.7	5.7	4.3	4.2	2.3	-.6								13.9	7.5
-288		14 33	12.8	10.5	8.2	8.3	7.3	4.6								16.6	12.0
-289		14 34	10.3	8.1	6.7	6.9	5.7	3.2								15.3	10.0
-290		14 37	12.3	9.6	7.4	6.9	5.7	3.5								16.4	11.3
-296		15 13	9.1	7.4	5.9	6.3	5.3	2.7								14.6	9.0
-297		15 25	9.8	8.2	6.3	6.8	5.6	3.8								14.5	10.2
AA-103-299	01 OCT 80	7 0	8.9	11.3	5.3	9.0	13.0	8.7	8.4							14.5	12.0
-300		7 2	7.0	6.4	-2.5	-2.8	1.5	1.1	-2.4	-1.4	-12.2					6.0	-.9
-301		7 3	2.0	5.4	-2.1	3.2	7.8	3.2	5.6	2.1						10.6	5.8
-302		7 5	.7	6.5	4.0	4.3	5.5	5.7	7.3							11.3	7.4
-303		7 7	2.6	2.2	-4.3	1.8	3.8	2.8	4.3							9.4	4.7
-309		7 32	17.5	13.0	9.2	7.9	12.9	14.2								17.3	15.9
-310		7 33	17.0	12.2	9.5	7.3	7.4	14.3								16.8	14.7
-311		7 35	19.5	13.0	6.0	7.9	8.7	15.8								17.2	15.1
-312		7 36	19.9	16.6	11.9	8.6	6.8	8.8								17.2	15.1
-313		7 38	16.8	15.5	13.6	10.6	11.7	14.7								17.8	17.9
-319		7 59	18.2	13.8	6.8	4.6	7.3	11.0								17.9	13.5
-320		8 0	13.6	6.9	3.9	.1	1.4	5.6	4.7	.8						13.3	7.1
-321		8 1	15.7	14.8	6.8	.3	-1.1	6.2								15.0	8.8
-322		8 3	23.1	18.5	11.8	8.0	2.8	5.9								18.9	13.2
-323		8 8	24.7	19.2	16.5	11.5	6.3	8.3	7.7							20.4	15.2
AA-104-304		7 17	-2.9	-3.7	-5.2	-5.7	-8.9	-7.4	-9.5	-10.5						.0	-5.8
-305		7 19	-3.9	-3.0	-1.3	-5.6	-7.7	-5.7	-7.4	-8.8						2.1	-4.2
-306		7 21	-5.9	-5.6	-4.2	-9.5	-9.6	-10.2	-9.6	-11.4						-.1	-6.8
-307		7 22	-3.5	-4.8	-2.8	-8.0	-9.3	-8.3	-9.5	-10.4						.5	-5.9
-308		7 24	-1.9	-2.3	.0	-5.3	-6.3	-7.4	-8.4	-8.8						2.6	-3.8
-314		7 44	-7.1	-3.9	-6.1	-5.3	-7.0	-9.2	-10.3	-13.3	-19.6					-1.4	-8.4
-315		7 46	-6.4	-5.2	-6.8	-5.9	-8.7	-10.1	-10.1	-13.0						-1.7	-7.4
-316		7 47	-8.8	-9.2	-8.2	-5.4	-9.0	-11.2	-12.8	-15.2						-2.2	-8.8
-317		7 49	-6.2	-7.3	-7.4	-5.3	-9.1	-11.7	-13.0	-12.8						-1.2	-7.5
-318		7 50	-8.0	-7.6	-5.1	-4.5	-9.9	-10.8	-12.6	-11.7						-1.0	-7.3
-324		8 15	-7.8	-11.7	-10.7	-8.5	-10.8	-12.0	-14.3	-12.0						-1.5	-8.9
-325		8 17	-8.4	-10.1	-9.0	-10.5	-10.8	-10.7	-11.5	-11.6	-17.8					-1.7	-9.5
-326		8 18	-7.8	-8.8	-10.0	-10.6	-11.0	-11.9	-12.8	-12.9	-19.4					-2.3	-10.3
-327		8 20	-6.9	-6.9	-8.5	-7.6	-9.0	-12.8	-13.8	-12.4						-1.1	-7.9
-328		8 22	-5.8	-6.5	-7.9	-7.5	-7.3	-9.6	-12.4	-9.8						.2	-6.6
-329		8 24	-7.4	-7.8	-8.5	-9.0	-8.6	-12.7	-13.7	-11.0						-.5	-7.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D67

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-330	16 DEC 80	7 29	-3.0	-3.1	-2.8	-.9	3.4	6.7	12.4	16.6	22.4	27.7	30.3	23.1	21.4	17.3	29.6
-331		7 31	-2.8	-3.0	-4.4	-3.4	.1	4.3	9.3	15.1	20.1	23.1	26.1	20.1	18.4	11.7	45.3
-332		7 34	-.2	-.2	-1.2	.6	2.4	4.7	12.5	21.1	27.2	31.8	33.4	27.1	25.5	20.2	33.2
-333		7 36	1.6	1.3	.1	1.0	2.9	4.0	8.2	17.3	26.2	30.2	31.9	25.2	23.2	18.1	34.5
-334		7 39	-1.7	-1.4	-2.8	-1.6	1.3	2.7	7.3	14.4	23.3	27.3	27.4	17.9	17.7	12.7	34.5
-335		7 41	-.1	-.2	-1.2	.2	4.1	6.2	11.7	18.1	23.3	27.2	29.8	22.7	22.2	17.7	33.2
AA-106-336		7 51			12.1	15.6		18.3						31.7	29.0	25.7	32.2
-337		7 53		8.4	9.4	10.2	15.5	18.2	19.8	23.2	29.6	33.0	31.4	28.5	26.4	22.6	34.5
-338		7 56		10.0	11.9	11.5		13.4	17.5	21.8	29.2	34.8	32.3	28.4	26.6	22.8	37.6
-339		8 7		11.4	12.6	13.0	16.0	17.2						33.5	31.4	28.6	32.6
-340		8 9		8.9	8.9	10.6	15.5	19.0	21.5	25.0	29.6	33.9		32.0	29.8	25.8	35.3
-341		8 11		12.0	14.3	16.9	16.5	16.7	18.5	23.2	31.0			32.5	30.0	26.9	33.5
AA-105-342	17 DEC 80	8 2	1.5	.9	-.7	-.5	2.1	5.6	12.3	21.1	31.0						34.5
-343		8 8	.1	.0	-1.7	-1.2	1.4	4.3	10.8	18.1	29.3			36.3	33.5	27.7	35.4
-344		8 10	-.3	-.9	-2.2	-1.6	.4	3.2	10.5	18.2	30.7	37.1	38.3	31.5	28.5	24.4	35.4
-345		8 12	.7	.4	-1.2	-.7	1.0	4.2	10.2	18.3	30.6	39.4	39.7	30.4	25.6	17.0	44.4
-346		8 14	1.8	2.1	.3	1.0		5.5	11.2	17.1	29.3			31.8	24.5	15.8	33.6
AA-106-360		13 42	-.3	-.4	-1.7	-1.9	.6	.1	5.5	13.5	25.5		30.3	20.6	15.6	11.7	33.2
-361		13 45	-.8	-1.1	-2.2	-2.5	-.3	-.6	4.6	11.6	22.6	30.1	27.7	18.7	13.5	8.2	34.5
-362		13 50	-.6	-2.5	-3.8	-4.2	-1.0	.2	8.7	12.0	19.6	27.2	26.9	18.3	13.1	8.9	32.7
-363		13 54	-2.3	-4.5	-5.9	-6.1	-2.2	.3	8.9	10.8	18.5	26.5	24.5	15.0	9.7	6.1	29.5
-364		13 57	-1.1	-3.3	-4.8	-4.9	-1.3	1.4	8.7	9.6	16.1	25.2	24.4	12.3	8.2	4.6	34.5
-365		14 1	-1.1	-2.0	-3.2	-3.8	-.7	.2	8.4	13.5	23.1	30.2	28.6	18.4	12.6	8.6	34.5
-366		14 6	-.9	-1.5	-2.9	-3.5	-.8	-.5	6.4	12.4	22.2	31.7	30.1	20.1	13.4	6.3	33.6
AA-105-367	08 JAN 81	10 30	-1.9	.2	4.6	8.8	16.6	25.7	32.9	35.0	34.4	29.5	24.1	17.0	14.7	8.4	35.3
-368		10 31	-2.4	.4	4.3	9.2	16.9	28.1	36.0	37.2	34.4	29.2	21.7	14.3	12.9	8.8	37.5
-369		10 34		-.2	4.5	8.4	16.7	25.7	35.8	37.5	36.9	32.0	25.3	19.6	18.5	13.8	34.4
-370		10 35	-.4	1.2	6.5	11.0	19.3	29.8	35.1	37.9	35.6	31.5	25.2	17.8	14.6	7.3	35.3
-371		10 37	.0	1.2	5.9	11.5	21.4	31.1	36.8	36.7	37.8	32.0	26.1	20.0	18.4	12.9	35.8
-372		10 39		.0		11.0	19.4			37.1	37.1	32.5	26.6	19.9	18.9	14.7	33.5
-373		10 41		2.0	6.0	11.6	19.7	28.5		37.6	37.6	32.3	27.1	21.7	20.4	17.2	35.8
-374		10 43			4.5	11.0	20.1			37.3	38.0	33.9	28.1				34.4
-375		10 45			6.1	12.0	20.3	29.7	35.2	38.1	37.4	32.4	27.1	20.7	19.2	14.6	36.2
-376		10 46	-.5									33.1	28.3	22.7	21.5	17.7	36.6
-377		10 48	.9	2.0	6.4	12.2	19.5	29.3	37.6	39.8	39.1	34.5	28.6	23.4	22.2	19.6	34.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-DB1

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE E67

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-330	16 DEC 80	7 29	13.2	8.5	6.1	4.3	3.1	1.4								12.1	9.9
-331		7 31	9.4	4.2	2.6	.5	-2.4	-5.0								8.6	4.8
-332		7 34	16.6	10.9	8.3	5.5	2.1	.9								12.6	10.5
-333		7 36	12.8	8.0	5.6	2.7	.4	-2.0								11.2	7.8
-334		7 39	8.2	4.6	2.7	1.7	-2.0	-6.9								7.9	4.1
-335		7 41	13.4	8.8	6.3	4.7	2.0	-1.6								12.0	8.6
AA-106-336		7 51	22.8	19.9	18.6											28.2	26.4
-337		7 53	19.1	15.8	12.0											21.9	20.9
-338		7 56	19.5	16.9												21.9	25.0
-339		8 7	25.3	22.8	20.8	19.8	16.5									25.6	24.0
-340		8 9	22.4	19.6	18.5	17.2	14.2									22.8	21.5
-341		8 11	23.4	20.8	19.7	18.2	15.1									23.3	22.4
AA-105-342	17 DEC 80	8 2														14.1	31.6
-343		8 8	22.3	14.9	4.9	1.7	-.7	-2.4								10.8	7.2
-344		8 10	15.3	7.3	4.2	3.5	-.8	-2.4								10.3	6.9
-345		8 12	7.8	-1.4	-4.0	.8	-.8	-8.1								7.4	1.7
-346		8 14	12.6	2.3	-1.8	.6	-2.2	-7.5								9.0	2.8
AA-106-360		13 42	7.2	3.7	3.1	3.9	3.0	.4								8.8	7.0
-361		13 45	3.3	.0	-.7	.1	-.5	-2.3								7.3	3.6
-362		13 50	6.2	1.8	1.4	1.5	-.6	-1.9								7.9	4.7
-363		13 54	2.3	-.1	-.9	.4	-.3	-2.8								6.4	3.3
-364		13 57	2.1	-1.0	-2.1	-1.8	-4.1	-5.7								6.4	1.3
-365		14 1	6.3	3.5	3.3	4.0	3.4	.3								8.3	6.9
-366		14 6	2.9	.7	2.1	4.0	4.0	1.3								7.7	6.2
AA-105-367	08 JAN 81	10 30	2.5	-2.4	-4.1	-4.0	-3.8	-8.5								4.4	-1.4
-368		10 31	3.3	-.2	-.2	-.8	.8									8.3	3.1
-369		10 34	8.3	4.4	4.0	1.4	2.3									11.6	6.6
-370		10 35	2.6	4.6	3.0	1.9	.9									10.3	5.4
-371		10 37	7.3	5.8	5.0	4.6										13.1	8.9
-372		10 39	10.2	8.4												17.0	15.2
-373		10 41				5.5										17.6	14.8
-374		10 43														22.1	41.3
-375		10 45	8.2	4.5	4.9		-4.4									11.3	5.5
-376		10 46	13.9	10.0												20.9	17.7
-377		10 48	15.3	8.6	8.6	10.7										16.4	13.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D68

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-378	09 JAN 81	8 48	-5.1	-2.2	2.6	11.0	14.5	10.4	13.0	13.5	15.8	1.5	-6.2	-7.5	-9.6	-13.4	35.8
-379		8 50	-4.6	-1.9	2.8	12.1	13.8	9.4	17.9	16.3	10.6	2.2	-3.4	-5.2	-6.2	-10.1	35.3
-380		8 51	-4.2	-1.0	3.3	12.9	16.5	11.5	17.1	14.4	7.6	-.5	-4.2	-5.7	-13.0	-13.6	35.3
-381		8 52	-4.4	-2.1	3.0	11.7	16.9	11.8	17.1	19.9	10.2	1.8	-1.1	-3.8	-9.8	-11.6	36.2
-382		8 57	-3.8	-1.5	2.8	10.9	17.5	10.7	15.6	19.5	19.4	8.5	.2	-4.0	-3.7	-2.1	35.3
-383		8 58	-4.0	-1.5	2.6	10.6	16.5	11.7	15.3	16.2	15.7	9.1	3.9	3.5	.6	-1.7	36.7
-384		8 59	-3.8	-1.8	2.2	9.8	15.6	8.8	10.6	12.0	12.0	6.2	.2	-4.4	-6.7	-7.7	38.0
-385		9 1	-4.2	-1.7	2.2	10.1	18.6	9.8	11.2	12.4	10.8	5.3	.7	-3.7	-6.2	-7.7	35.3
-386		9 2	-4.7	-1.9	2.1	10.3	19.3	9.9	10.3	10.3	8.2	1.7	-5.3	-10.4	-13.0	-15.0	37.5
-387		9 3	-4.6	-2.2	1.6	9.8	20.3	12.6	13.9	14.4	13.6	6.9	-1.3	-6.5	-7.3	-9.3	39.3
-388		14 9								35.7	35.2	31.3	25.4	22.5	20.1	18.1	36.8
-389		14 12		1.4		15.4					37.1	33.3	27.0	23.5	21.9	19.6	36.3
-390		14 14		.9		14.2				34.6	35.6	31.3	25.0	21.8	19.7	17.1	31.4
AA-106-391		14 38	-2.4	-1.6	3.5									12.8	10.1	6.6	15.4
-392		14 42	-1.8	-.4	6.5				18.0	25.4	24.0	15.6	7.7	4.3	1.8	-2.1	37.6
-393		14 44	-3.5	-3.3	2.9				17.5	24.1	24.4	17.3	10.8	5.1	1.3	-1.2	41.6
-394		14 45	-3.2	-2.4	3.7				18.0	23.4	29.0	20.8	15.0	9.4	4.6	.0	37.6
-395		14 47	-2.7	-1.6	4.3			14.5			28.5		16.3	11.6	7.9	3.7	34.5
-396		14 49	-3.1	-2.3	3.5	12.6			17.8		25.1	19.8	12.9	6.4	3.3	-.7	36.7
-397		14 50	-3.2	-2.3	3.4			11.9			25.5	17.0	9.9	4.0	1.8	-.4	38.5
-398		14 52	-3.1	-1.9	4.3						25.4	18.1	10.8	5.6	1.7	-1.4	36.7
AA-105-399	13 JAN 81	8 7	3.0	6.8	11.5	18.9	26.1			39.3	39.3	36.8	31.6	29.6	27.7	25.5	35.8
-400		8 11	3.1	7.0	11.7	18.3	29.6		34.3	35.3	34.9	30.8	26.1	24.9	24.3	22.8	36.7
-401		8 13		9.0	13.2					38.3	38.3	36.0	30.4	28.0	26.1	23.4	35.3
-413		13 7	4.4	6.1	10.9	19.3	29.9		38.4	40.7	40.9	38.6	34.2	30.5	29.7	27.0	37.7
-414		13 11	2.8	5.9	9.9	17.0			37.5	39.7	40.1	38.1	32.9	29.8	28.4	25.7	35.4
-415		13 14		7.4	12.8			32.0	37.6	39.4	39.7	37.7	32.6	29.6	28.6	25.8	34.5
-416		13 16		6.2	10.7	17.0	27.0			39.8	40.1	38.3	33.4	29.7	28.2	25.9	35.4
-417		13 18	2.9	5.2	9.4	16.4	25.7	30.9	34.0	39.1	39.3	36.4	32.0	29.7	29.3	26.8	35.9
AA-106-403		8 23	-1.3	2.2	8.2	14.3	22.0		23.8	22.7	18.2	10.8	4.7	.8	.0	-3.6	35.4
-405		8 26	-2.5	.2	8.7	15.0	21.3		23.8	20.9	17.3	10.0	5.2	2.0	-2.1	-5.3	36.3
-406		8 27	-2.5	1.2	8.9	14.5	21.0		23.2	19.8	15.1	8.5	2.9	-.8	-3.6	-5.7	34.9
-410		8 45	-4.1	.4	6.9	13.6	21.0	19.7	15.4	13.5	10.7	4.6	-1.8	-3.4	-6.4	-9.7	35.8
-411		8 47	-2.9	1.2	7.8	13.5	21.3	20.2	18.8	16.3	15.3	10.1	3.5	-.8	-2.5	-5.4	36.7
-412		8 50	-3.8	.7	7.6	14.4			21.0	17.6	13.6	7.0	.3	-1.4	-4.2	-6.7	38.5
-418		13 31	1.5	2.9	9.5	15.6					27.5	21.2	13.6	7.8	4.4	2.1	34.5
-419		13 35	1.0	3.0	9.3	15.7	23.2				30.0	25.1	19.9	13.7	9.1	5.1	35.4
-420		13 37	2.6	4.5	10.7						24.8	20.0	14.2	8.6	3.7	-2.0	17.9
-421		13 39	.8	2.5	9.3	15.5				27.0	27.1	21.1	14.5	8.2	6.1	5.2	34.5
-422		13 40	.7	2.3	8.6	15.6	24.4				27.2	21.6	13.1	5.1	1.0	-2.4	35.4
-423		13 42	.5	2.0	8.4	15.0					28.2	22.0	15.6	8.8	4.5	1.6	38.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE E68

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-378	09 JAN 81	8 48	-13.2	-13.9	-11.2	-8.0	-8.4	-7.3	-7.6							-7.7	-10.6
-379		8 50	-11.3	-11.8	-11.4	-11.3	-12.3	-11.5	-9.8	-12.9						-6.3	-10.1
-380		8 51	-15.6	-15.0	-13.3	-12.4	-14.0	-15.8	-15.5	-17.5						-9.7	-13.4
-381		8 52	-14.8	-16.5	-17.2	-17.7	-18.2	-16.1	-17.1	-22.7						-10.8	-15.5
-382		8 57	-5.8	-3.4	-1.3	1.4	4.0	3.8								.4	-1.7
-383		8 58	-2.3	-3.8	-1.6	1.4	4.1	5.9								3.1	.1
-384		8 59	-8.9	-11.2	-9.3	-5.5	-2.0	-1.9	-5.2							-3.4	-7.1
-385		9 1	-8.9	-9.7	-6.5	-3.2	1.8	3.4								-2.3	-5.7
-386		9 2	-16.2	-16.2	-12.9	-9.0	-5.0	-3.8								-7.6	-12.4
-387		9 3	-11.8	-12.1	-9.8	-7.0	-5.0	-2.7								-5.2	-8.5
-388		14 9	15.6	12.9	11.5	10.6										20.0	15.5
-389		14 12	17.3	14.5	13.4	12.4										19.9	17.2
-390		14 14	14.3	12.0	10.6	10.0										17.8	14.7
AA-106-391		14 38	2.3	.7	-.6	-2.3										5.8	2.2
-392		14 42	-5.3	-7.6	-6.1	-5.3	-9.4	-17.9								-4.1	-8.8
-393		14 44	-4.3	-7.4	-8.0	-7.2	-11.5									-2.2	-6.4
-394		14 45	-4.7	-6.9	-6.7	-4.7	-8.4									-.5	-4.5
-395		14 47	-.2	-1.2	-2.5	-3.0	-6.8									2.9	-1.4
-396		14 49	-5.2	-6.8	-6.0	-5.3	-9.3	-19.1								-4.3	-9.0
-397		14 50	-5.9	-7.4	-7.3	-6.5	-10.7	-20.6								-5.7	-10.6
-398		14 52	-5.9	-8.2	-8.4	-6.8	-10.4	-20.6								-5.9	-10.7
AA-105-399	13 JAN 81	8 7	23.5	22.1	21.5	18.4										25.1	23.7
-400		8 11	22.2	21.0	19.8	17.3										24.0	22.2
-401		8 13	21.4	19.9	18.4	15.8										24.9	21.1
-413		13 7	25.0	23.9	22.8	20.8										25.5	25.8
-414		13 11	24.3	23.1	22.4	19.5										24.7	24.8
-415		13 14	24.2	22.9	22.6	20.6										26.7	25.3
-416		13 16	24.2	22.3	22.1	19.2										25.4	24.6
-417		13 18	24.8	23.3	22.7	20.2										24.2	25.4
AA-106-403		8 23	-5.8	-7.6	-8.4	-6.7	-14.6									-1.3	-7.8
-405		8 26	-6.5	-7.9	-8.4	-8.1	-13.9									-1.7	-7.9
-406		8 27	-8.2	-10.2	-8.7	-7.9	-16.8	-26.7								-9.9	-17.3
-410		8 45	-10.4	-12.2	-10.9	-11.2	-19.1	-29.4								-12.5	-19.7
-411		8 47	-5.4	-7.4	-6.2	-5.7	-12.8									-1.1	-6.7
-412		8 50	-8.0	-9.7	-8.9	-7.8	-14.3	-25.9								-9.3	-16.3
-418		13 31	.9	-1.6	-2.6	-2.6	-7.2									3.5	-1.3
-419		13 35	3.5	2.1	.2	.6	-2.4									7.4	2.5
-420		13 37	-5.5	-7.2	-6.9	-7.4	-12.6									-1.0	-6.2
-421		13 39	4.0	1.2	.5	1.0										9.1	4.9
-422		13 40	-2.0	-6.1	-7.9	-5.4	-9.3									1.2	-4.2
-423		13 42	2.2	-1.7	-2.7	-1.6										6.5	2.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D69

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-424	15 JAN 81	8 19	-.5	1.2	6.8	14.3	21.4	31.7	36.6	39.2	39.8	37.2	30.7	27.4	26.0	22.7	34.5
-425		8 21	.1	1.8	7.6	14.8	22.1	30.7	33.5	36.0	38.2	36.5	31.2	26.8	25.7	22.6	34.9
-426		8 22	.0	1.0	6.4	16.5	25.2	34.5	39.1	41.9	43.4	38.6	33.0	28.9	27.4	24.4	35.4
-427		8 23	.2	1.6	6.9	14.7	24.0	34.1	38.8	41.9	42.1	39.1	32.7	27.9	26.7	23.0	35.4
-428		8 25	.5	1.8	7.6	15.1	22.9	33.1			41.0	37.3	31.7	26.6	24.9	20.7	34.5
AA-106-429		8 33	-2.6	-2.3	2.8	16.0								22.8	18.3	15.9	35.4
-430		8 34	-3.0	-2.6	2.7	15.8								22.4	21.3	19.0	34.5
-431		8 36	-2.9	-2.5	3.4	16.2								19.8	14.7	12.2	35.4
-432		8 37	-3.5	-3.0	2.7	15.9								22.1	19.2	17.1	34.5
-433		8 39	-2.8	-2.3	3.5									19.4	19.4	17.9	35.4
AA-105-441	04 FEB 81	8 22	5.5	6.0	5.2	5.8	9.4	12.9	18.2	21.1	23.7	27.1	25.7	19.5	17.5	14.2	36.7
-442		8 23		10.2	10.4	11.4	17.0	19.8	25.2	27.5	29.4	32.1	29.3	22.8	20.6	17.9	36.7
-443		8 27		5.9	7.3	8.8	13.6	15.8	21.8	23.9	25.7	28.7	27.6	21.2	18.1	14.4	32.7
-444		8 28	6.4	9.0	10.7	10.0	13.1	17.6	20.8	24.2	27.6	30.4	29.5	22.9	19.8	16.9	37.6
-445		8 30	7.2	8.9	8.1	9.0	13.4	17.9	24.1	25.2	27.9	31.5	29.8	22.4	19.7	16.9	37.6
AA-106-446		8 38	-6.9	-9.8	-9.5	-6.1	5.3	13.0	15.0	14.6	16.8	11.7	1.4	-8.1	-9.7	-11.9	37.6
-447		8 40	-4.9	-7.3	-7.4	-4.5	6.9	13.5	16.6	17.0	19.1	16.7	6.4	-2.5	-3.2	-5.8	36.7
-448		8 41	-4.3	-7.1	-6.6	-3.5	8.3	14.2	14.9	19.8	21.4	17.2	5.6	-4.2	-5.6	-8.8	37.6
-449		8 43	-5.7	-7.9	-7.8	-5.5	4.7	12.3	17.8	18.7	21.5	17.2	5.9	-3.6	-5.0	-7.4	36.3
AA-105-450	12 FEB 81	13 10	2.9	1.4	1.0	3.3	10.3	15.8	23.2	28.5	32.2	33.7	28.5	22.0	21.5	18.9	35.4
-452		13 29	4.3	2.9	2.3	4.4	11.6	17.5	25.9	32.6	36.3	36.7	32.3	26.1	24.9	22.6	27.8
-453		13 32	4.5	4.0	3.5	5.5	11.3	15.3	24.1	30.7	33.9	35.9	31.4	25.0	23.9	21.3	34.5
-454		13 48	4.0	3.8	3.6	5.8	12.2	18.1	25.4	31.6	34.6	34.0	32.5	27.2	26.5	24.0	30.5
AA-106-455		13 56	-3.0	-4.5	-5.4	-3.4	7.1	14.9	23.3	23.8	27.1	22.4	17.4	7.6	6.4	5.5	34.0
-456		13 58	.1	-1.9	-2.7	-.9	9.7	17.6			33.7	31.4	23.2	14.2	12.7	10.8	35.8
-457		14 1	-2.5	-4.1	-5.0	-2.8	7.7	16.5			23.6			10.1	8.9	6.3	35.8
-458		14 6	-.3	-2.6	-3.2	-1.1	9.4							14.3	13.7	11.1	33.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:
DISTANCE 1757 M

DATE 02 FEB 87
PAGE E69

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-424	15 JAN 81	8 19	19.1	16.6	15.6	13.7	8.1	-2.2								15.4	9.8
-425		8 21	18.5	15.9	14.4	12.8	7.1									18.3	14.9
-426		8 22	21.3	18.8	17.9	15.8	10.0									19.9	18.0
-427		8 23	19.6	16.6	15.5	13.7	8.7									19.0	16.2
-428		8 25	16.7	14.7	13.8	11.4	5.3	-4.2								14.2	8.0
AA-106-429		8 33	11.9	6.9	3.9	1.0	-5.8	-13.9								.7	-3.5
-430		8 34	16.9	14.0	11.6	8.6	2.0	-6.0								8.1	4.4
-431		8 36	7.1	2.2	-.5	-5.0	-11.9	-17.5								-3.5	-7.8
-432		8 37	12.5	7.1	2.6	-1.3	-7.4	-13.6								.6	-3.6
-433		8 39	13.0	9.3	6.4	1.7	-7.0	-14.5								.4	-4.0
AA-105-441	04 FEB 81	8 22	12.7	12.1	13.1	14.6										16.1	15.5
-442		8 23	16.5	16.1	17.3											21.4	20.2
-443		8 27	12.7	12.3	13.0	15.1										17.6	15.7
-444		8 28	14.7	13.7	14.8	16.4										19.0	17.5
-445		8 30	14.7	14.2	14.8	16.1										19.1	17.5
AA-106-446		8 38	-11.2	-9.8	-7.2	-5.5	-3.3	-.3								-2.1	-6.8
-447		8 40	-7.4	-5.6	-3.2	-1.4	1.9									2.3	-2.2
-448		8 41	-9.2	-8.5	-5.7	-4.6	-1.4									-.1	-4.7
-449		8 43	-8.6	-8.4	-4.8	-3.0	-1.9									.8	-4.1
AA-105-450	12 FEB 81	13 10	18.7	20.0	22.5	25.3										17.6	22.5
-452		13 29	22.5	22.2	23.4											19.3	25.6
-453		13 32	19.9	20.1	21.5											19.5	23.8
-454		13 48	22.6	21.9	21.6											20.2	25.4
AA-106-455		13 56	2.6	-1.1	-1.7	-1.2	-5.0									7.1	1.4
-456		13 58	8.4	4.5	1.8	1.3	-4.7									9.2	3.1
-457		14 1	4.2	2.0	2.4	2.8										9.6	6.8
-458		14 6	8.2	4.5	3.2											11.7	10.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 1757 M

DATE 02 FEB 87
PAGE D70

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-469	25 FEB 81	12 59	4.6	7.4	8.8	9.6	10.3	12.7	15.5	17.6	21.7	24.6	24.9	22.5	23.9	23.1	34.5
-470		13 1	3.5	4.4	4.5	5.6	7.8	8.4	10.4	14.6	20.2	25.4	26.2	23.5	24.0	22.2	34.5
-471		13 2	2.1	2.8	2.5	3.6	6.5	6.6	8.6	13.3	19.3	24.3	24.7	23.0	24.1	22.4	33.6
-472		13 4	3.6	3.9	3.1	4.6	6.2	6.7	9.5	14.3	19.2	24.1	26.7	24.8	25.6	23.5	33.6
-473		13 5	3.4	5.3	4.8	5.9	8.7	10.3	10.9	14.4	19.6	25.7	27.2	25.9	26.6	24.9	35.8
AA-106-464		8 33		5.6	4.8	5.1	7.0	4.8	7.4	13.8	22.8	29.8		28.6	27.1	21.4	31.3
-465		8 34		5.7	4.4	4.8	8.3	6.5	10.5	17.9	26.1	32.5		28.4	27.3	22.8	34.5
-466		8 36		5.0	4.2	4.5	7.1	5.3	9.7	16.5	25.1	33.6		29.4	27.5	22.6	33.1
-467		8 37		7.2	7.8	7.7	10.1	7.9	10.6	17.7	26.9	33.5		29.7	28.1	23.4	34.9
-468		8 39		5.7	5.1	5.6	7.5	5.0	8.4	15.8	24.0	31.5		27.9	26.5	21.9	33.6
-474		13 16	6.2	5.1	4.8	5.9	7.9	5.1	6.9	11.7	20.8	29.2		24.7	25.3	22.2	35.3
-475		13 18	2.7	3.5	3.5	4.9	8.2	7.8	10.4	15.2	21.4	28.7	26.5	23.8	23.9	21.5	34.4
-476		13 19	3.8	3.2	1.8	2.3	4.3	3.0	5.0	10.2	20.6	26.1	26.2	22.9	23.1	19.5	34.4
-477		13 26	5.1	6.0	4.6	5.4	7.6	7.2	11.3	14.6	21.7	27.1		23.5	23.2	20.7	35.4
-478		13 29	5.6	6.5	5.2	6.8	9.8	8.0	10.5	15.1	22.8	28.3		24.8	24.9	21.4	35.4
AA-105-479	27 FEB 81	7 15	-2.3	-4.4	-6.2	-6.2	-.8	5.0	11.5	14.2	20.8	32.0	30.1	18.5	14.9	11.0	34.4
-480		7 17	-2.6	-4.6	-6.7	-6.0	-.9	4.5	11.6	14.9	20.2	29.5	26.3	16.9	14.6	9.5	34.4
-481		7 18	-2.6	-4.7	-6.2	-6.2	-.9	4.6	12.2	16.0	21.1	32.2	28.0	15.5	13.7	10.4	34.9
-482		7 20	-3.1	-4.9	-6.3	-6.0	-.6	5.1	12.5	16.1	20.9	32.7	31.8	20.4	18.1	14.3	34.4
-483		7 21	-2.9	-4.6	-6.6	-6.0	-.7	5.3	12.6	15.3	20.5	32.5	31.2	19.8	17.4	13.3	33.6
-489		7 43	-2.9	-5.1	-6.6	-5.6	-.6	4.3	12.5	14.0	17.8	22.5	26.3	16.4	14.8	9.6	34.0
-490		7 45	-3.5	-5.3	-6.6	-5.6	-.4	4.3	11.8	14.2	17.7	20.6	24.6	17.4	14.9	12.4	34.9
AA-106-485		7 29	1.8	.6	-1.1	-1.7	1.0	-.9	4.3	11.8	25.1	34.5	36.5	28.4	24.6	19.3	33.6
-486		7 31	1.9	.7	-1.6	-2.3	.5	-1.5	4.5	12.9	27.1	34.2	35.6	25.9	20.7	14.0	34.5
-487		7 32	1.1	.4	-2.0	-2.7	-.1	-1.7	3.7	11.0	24.6	31.8	34.1	24.4	18.8	11.1	35.3
-488		7 34	2.3	.7	-1.0	-1.9	.7	-1.3	3.3	11.0	25.1	33.4	35.4	27.3	22.8	15.2	34.5
-491		7 51		6.7	8.1			11.5	16.2	20.2	27.6				26.7	25.5	35.4
-492		7 53		6.8	7.2	6.9	11.5	10.2	14.9	21.2	29.2					24.4	36.3
ESA STATISTICS:																	
MINIMUM			-9.9	-9.8	-11.0	-8.4	-4.9	-7.4	-6.4	-4.8	-.3	-.5	-6.2	-16.4	-15.6	-15.0	14.8
MAXIMUM			9.6	12.5	15.1	23.8	29.9	34.5	39.1	41.9	43.9	49.6	45.0	41.9	41.8	39.8	45.3
AVERAGE			.2	1.6	2.6	4.8	8.1	11.1	16.0	20.4	25.6	28.0	25.0	19.7	17.8	14.9	32.2
STANDARD DEVIATION			4.3	5.0	5.7	6.8	7.2	7.3	7.9	8.5	8.7	9.8	11.4	12.1	12.4	11.9	4.0
NUMBER OF DATA POINTS			283	330	341	333	316	315	320	330	344	321	305	349	357	357	362

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 1757 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:
DISTANCE 1757 M

DATE 02 FEB 87
PAGE E70

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-469	25 FEB 81	12 59	20.0	15.9	14.3	12.1	6.8	.2								16.1	12.4
-470		13 1	18.8	14.9	13.0	10.4	6.6	1.4								14.3	12.5
-471		13 2	18.5	14.5	12.5	10.4	6.2	2.4								13.3	12.7
-472		13 4	18.9	15.0	13.5	11.2	7.1	.9								13.5	12.6
-473		13 5	21.9	18.1	16.5	14.2	9.6	4.0								15.8	15.5
AA-106-464		8 33	16.3	10.0	7.2	6.2	.3	-7.3								10.4	4.1
-465		8 34	17.4	11.2	8.5	7.2	2.3	-3.6								13.0	7.1
-466		8 36	17.3	11.9	9.8	8.4	3.5	-2.3								13.1	8.5
-467		8 37	18.3	13.2	11.3	10.2	5.5	-.8								14.9	10.0
-468		8 39	17.1	12.2	9.0	7.4	2.7	-2.8								12.4	7.7
-474		13 16	19.3	14.2	12.2	11.9	9.1									13.0	16.2
-475		13 18	17.4	12.3	10.3	9.9	6.4	1.6								14.3	11.6
-476		13 19	15.2	8.8	5.9	5.1	.5	-4.2								9.7	6.4
-477		13 26	17.2	12.0	9.8	9.0	5.8									14.6	14.1
-478		13 29	17.1	11.6	9.3	8.5	5.7	1.9								14.6	11.6
AA-105-479	27 FEB 81	7 15	9.3	3.3	4.2	5.8	.2	-.8								9.7	7.3
-480		7 17	7.5	4.2	4.6	3.9	-1.6	-2.7								9.1	6.1
-481		7 18	5.9	2.5	3.0	4.0	.3	-1.7								9.3	6.4
-482		7 20	9.5	4.6	5.8	6.9	1.9	1.0								10.6	9.0
-483		7 21	9.9	5.5	5.1	4.7	-.1	-.9								10.4	7.8
-489		7 43	5.5	1.2	1.5	2.2	-1.5	-5.0								8.1	4.4
-490		7 45	6.7	1.8	.3	1.4	-1.2	-5.1								8.3	4.7
AA-106-485		7 29	11.7	4.3	3.7	.8	-.9	-5.5								7.9	4.2
-486		7 31	5.9	-.7	-.9	-3.3	-6.6	-9.7								5.5	-.2
-487		7 32	4.3	-2.4	-3.0	-5.3	-11.1	-12.9								4.1	-3.3
-488		7 34	9.9	3.8	2.4	-.9	-5.4	-6.2								6.5	2.4
-491		7 51	20.1	16.8		15.3										20.1	22.2
-492		7 53			14.8	15.7	11.4									18.1	19.9
ESA STATISTICS:																	
MINIMUM			-16.2	-16.5	-17.2	-17.7	-19.1	-29.4	-25.2	-26.9	-23.6					-12.5	-19.7
MAXIMUM			38.2	36.7	35.4	33.6	31.0	26.3	16.6	4.6	-7.1					38.4	41.3
AVERAGE			11.8	9.5	7.9	7.2	4.9	2.7	-2.8	-7.7	-16.6					12.5	10.1
STANDARD DEVIATION			11.4	10.9	10.2	9.8	10.2	10.2	8.1	7.0	5.9					9.0	11.2
NUMBER OF DATA POINTS			354	355	350	342	317	278	86	56	6					361	361

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87
PAGE D71

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-102-051	29 JAN 80	16 40	.8	-1.2	.9	2.2	2.4	5.4	9.4	12.3	17.9	22.9		16.8	13.7	9.7	27.1
AA-102-057	13 FEB 80	14 43	-5.5	-8.5	-8.1	-5.1	3.1	6.5	13.6		23.6	23.9	17.4	7.6	-.9	-6.7	22.4
-058		14 51	-.5	-3.8	-3.5	-2.0	9.4	15.8	25.8				17.5	13.0	9.8	8.5	29.2
-059		15 15	-4.7	-7.6	-8.2	-5.8	3.7	9.6	16.2	21.4	22.6	25.6	21.3	12.8	2.8	-2.2	36.3
AA-102-067	20 FEB 80	13 11	-2.6	-4.9	-5.6	-6.2	-6.8	-7.0	-6.5	-4.3	2.5	15.3	19.2	17.6	10.3	19.7	27.7
AA-102-070	21 FEB 80	14 33	5.8	8.9	12.3			17.2	18.9	21.2	23.6	25.3	26.0	24.2	22.2	22.9	31.8
AA-102-071	22 FEB 80	14 48	-8.5	-10.0	-9.6	-8.0	-3.8	1.0	8.0	10.8	16.3	21.8	19.8	14.7	6.4	1.4	26.0
-072		14 53	-6.0	-9.5	-8.2	-6.5	-7.3	.6	5.6	5.6	10.6	18.8	19.7	12.5	4.4	-.2	31.7
AA-102-093	22 APR 80	14 10		-6.8	-8.0	-7.3	-1.5	3.8	14.2	15.1	12.8	14.7	13.4	4.9	-1.0	-3.6	22.3
AA-102-097	08 MAY 80	14 52	1.0	-1.1	-1.0	1.6	4.5	8.9	15.7	20.7	25.0	25.5	20.8	9.0	6.9	5.0	29.7
AA-102-100	09 MAY 80	14 34	.2	-3.9	-3.3	-2.2	2.2	9.3	18.4			16.2	12.9	5.3	2.8	.1	29.0
AA-104-102	09 SEP 80	7 17	.5	-.9	-6.4	-2.7	2.6	-.2	-.1	2.0	5.6	7.8	-3.6	-12.7	-13.8	-11.5	32.6
-104		7 30	-7.9	-4.7	.0	-1.0	-2.9	-1.8	-1.9	-1.0	6.1	13.1	-.8	-10.1	-9.8	-6.7	34.0
-106		7 40	-6.8	-2.0	4.3	-1.5	-.6	1.2	3.7	6.0	8.2	7.5	-2.7	-10.1	-10.9	-10.8	39.3
-108		7 50	-4.5	.6	-.3	-.8	5.6	7.3	11.4	14.5	18.4	17.9	11.8	-.5	-2.1	-4.0	32.2
-110		8 1	-6.6	-3.8	.9	1.8	1.6	3.1	2.8	5.7	4.2	5.9	1.4	-7.2	-9.0	-7.9	40.2
-113		13 4	1.2	.0	.0	2.2	5.5	10.8	18.4	25.7	27.8	29.8	25.0	9.4	6.3	6.2	35.3
-115		13 16	2.8	3.7	2.5	4.0	7.4	12.0	21.7	20.2	23.9	30.9	27.1	13.6	11.2	10.8	35.8
-117		13 29	-1.1	-2.9	-3.4	-1.1	.8	5.0	11.9	16.7	20.0	21.6	20.1	8.1	6.1	4.5	30.4
-119		13 47	.6	-.8	-1.6	1.7	4.6	10.7	18.7	19.6	21.9	25.8	25.4	11.4	6.7	6.7	32.7
-121		14 3	-.8	-1.7	-.9	2.7	8.9	16.3	22.2	22.8	22.9	22.8	20.5	7.8	6.1	5.0	30.0
-123		14 13	-3.0	-2.9	-3.7	-.7	2.4	7.7	10.7	15.4	19.0	18.6	16.4	4.1	1.1	.5	31.3
-124		15 18		-3.3	-4.8	-.5			14.2		23.1	21.7	17.6	8.3	1.5	-1.2	29.5
AA-104-126	10 SEP 80	7 4		8.9	9.4	12.4	13.4	15.8	20.5	26.0	32.8		39.8				38.4
-128		7 16			13.6	14.8	16.7	18.4	24.4	29.6	33.1		38.4			30.3	31.3
-130		7 28			9.6	12.5	14.6	16.7	19.3	25.1	32.2		37.7				31.3
-132		7 39			9.2	11.0	14.1	17.1			30.8						31.3
-134		7 50			9.3	11.6	14.3	19.5	23.4	25.3	30.2		35.2				30.9
-136		13 4	7.3	8.5	7.5	11.6	14.5	18.7	23.1	24.6	25.7	28.0	28.9	22.4	22.5	20.2	30.4
-138		13 14	5.4	7.2	8.6	13.6	14.6	16.9	18.5	20.8	20.3	23.0	23.8	18.0	10.4	17.1	29.9
-140		13 24		10.7	11.1	16.0	17.4	18.0	23.6	24.2	27.4	29.0	28.0	23.6		22.4	30.4
-142		13 36		7.5	7.9	10.1	14.5	14.3	19.5	21.6	24.3	27.0	26.1	22.2	21.5	18.5	28.2
-144		13 49		10.4	10.4	12.2	13.5	14.6	18.4	22.6	25.9	29.5	29.9	25.2	25.7	23.3	29.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:
DISTANCE 2079 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-102-051	29 JAN 80	16 40	6.8	5.1	4.7	3.7	-11.7									6.1	-.8
AA-102-057	13 FEB 80	14 43	-5.2	-4.4	-2.9											6.1	1.1
-058		14 51	6.1	5.7	4.4	4.5	3.5									11.1	6.9
-059		15 15	-3.2	-2.9	-2.3	.0	-3.1									7.5	2.3
AA-102-067	20 FEB 80	13 11	15.1	5.5	.4	-3.6	-7.5	-12.2	-14.1							-.2	.2
AA-102-070	21 FEB 80	14 33	21.9	19.5	17.0	13.9	11.6	8.2								21.2	18.4
AA-102-071	22 FEB 80	14 48	.2	1.2	3.0	1.3	.1	-.7								6.2	4.2
-072		14 53	-3.9	-4.0	-2.7	-4.2		-8.6								3.9	.2
AA-102-093	22 APR 80	14 10	-2.1	-1.9	-.7											5.6	3.0
AA-102-097	08 MAY 80	14 52	1.7	.2	.5	1.5	-.4	-7.8								7.8	1.5
AA-102-100	09 MAY 80	14 34	-.7	-1.9	-2.5	-4.3	-7.6									5.3	-1.2
AA-104-102	09 SEP 80	7 17	-6.0	-7.8	-9.0	-7.5	-9.9	-13.0	-13.8	-15.9						-5.2	-10.3
-104		7 30	-5.0	-9.0	-9.0	-7.9	-12.8	-16.1	-18.9	-20.5	-28.1					-8.0	-16.0
-106		7 40	-4.8	-6.8	-8.1	-8.3	-9.1	-13.5	-17.5	-19.0						-4.1	-10.7
-108		7 50	-.7	-1.7	-1.0	-2.4	-2.5	-8.6	-10.9							4.4	-2.3
-110		8 1	-8.1	-10.7	-9.5	-8.5	-12.4	-16.4	-20.6	-23.1	-34.4					-12.1	-21.1
-113		13 4	6.4	3.9	3.5	3.2	2.0	-2.2								12.2	6.2
-115		13 16	8.4	8.0	7.2	7.3	4.6	-.3								14.6	9.1
-117		13 29	2.0	1.3	.2	1.2	-.7	-7.1								8.3	2.7
-119		13 47	6.8	3.7	2.4	2.7	1.3	-2.9								11.5	5.8
-121		14 3	5.0	3.6	4.5	3.6	.4	-3.5								11.6	5.1
-123		14 13	-.9	-1.3	-1.1	-.2	-3.2	-7.9								6.9	.8
-124		15 18	-3.5	-1.5	-.2	1.4										9.7	3.1
AA-104-126	10 SEP 80	7 4	26.0	23.4	21.3	21.1	20.7									23.4	26.3
-128		7 16	26.9	24.0	22.0	21.7	20.7	17.1								26.3	24.7
-130		7 28	25.8	23.4												24.1	32.4
-132		7 39														25.9	40.8
-134		7 50	24.5		18.5	18.6										24.8	26.9
-136		13 4	17.5	14.7	11.9	12.0	11.7	9.0								20.7	16.3
-138		13 14	13.8	11.0	7.9	7.7	7.0	4.0								16.9	11.2
-140		13 24	19.3	16.3	12.6	11.4	10.7	7.8								21.6	16.0
-142		13 36	15.4	12.1	10.1	10.9	10.3	7.5								18.8	13.9
-144		13 49	20.7	17.8	14.6	13.7	13.4									20.7	18.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87
PAGE D72

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-157	16 SEP 80	13 42	.9	-1.1	-2.1	.8	4.5	7.8	11.5	17.9	24.8	28.8	25.4	13.8	11.9	7.8	31.3
-161		14 8	.0	-1.1	-3.0	-.2	4.0	8.9	15.7	24.1	24.8	29.2	25.5	11.4	10.3	9.1	29.5
-162		14 11	-1.9	-2.6	-4.1	-1.4	2.4	7.1	11.0	17.6	21.0	24.0	23.0	7.5	5.4	1.6	29.5
-163		14 13	-3.8	-4.4	-5.0	-.6	3.1	7.3	10.6	14.7	15.9	18.5	21.2	5.8	2.1	1.3	35.3
AA-108-146		7 28	-.6	-2.3	-1.6	-1.8	2.3	8.9	17.7	20.9	19.9	17.6	6.5	.6	.8	-6.2	29.1
-148		7 40	1.3	-.1	-.4	.9	4.2	8.9	15.6	19.8	22.6	19.0	7.8	.8	.7	-.4	31.3
-152		8 6	-1.6	-2.3	-2.0	.1	2.5	8.4	14.7	19.2	18.5	17.4	9.7	5.0	5.3	5.2	30.4
-154		8 21	4.7	3.9	2.7	3.5	5.6	10.7	19.0	25.6	24.6	21.2	11.9	5.5	7.0	5.4	29.6
AA-104-167	17 SEP 80	7 27	-7.3	-7.2	-6.3	-5.2	-3.6	2.6	2.8	5.4	8.7	12.7	18.2	8.3	3.6	-3.8	35.3
-168		7 30	-6.4	-7.2	-6.2	-2.1	-.3	2.4	4.3	7.7	12.8	17.2	19.9	10.9	6.1	-.9	32.2
-169		7 33	-6.1	-6.3	-6.3	-3.7	-.9	1.7	4.4	6.5	10.3	14.3	20.1	10.7	4.0	-2.3	30.4
-172		8 4	-5.5	-5.8	-4.2	-3.0	2.9	7.3	10.2	10.9	13.8	17.0	17.2	8.8	1.4	-1.3	33.5
-173		8 23	-6.9	-7.2	-5.8	-2.0	2.2	6.8	10.8	10.2	11.3	16.6	18.3	5.7	-3.3	-3.8	38.9
-174		8 27	-8.4	-9.4	-6.6	-1.4	-2.8	-.4	3.9	5.9	8.4	12.9	10.5	-2.0	-9.2	-8.6	32.6
-180		13 51															34.4
-181		14 2		11.1	12.1	16.5		19.6					32.8				29.9
-182		14 4	8.1	10.4	11.2	14.1	16.5	18.8	21.3	23.7	27.9	29.5	30.4	27.2	26.5	21.6	31.3
-183		14 6		10.1	11.6	14.4	15.0	18.7	20.3	23.2	26.1		30.0	25.6	26.2	20.4	33.1
-185		14 8	8.3	8.6	11.6		15.6	19.1			28.3		31.2		27.9	23.3	30.8
-186		14 13		9.9	10.6	13.7	16.2	21.9	21.8	24.1	27.5		26.6	25.5	26.2	20.9	33.5
-187		14 14	4.8	8.3	8.0	11.7	14.3	16.9	19.6	22.1	25.6		29.3	26.3	25.9	20.5	34.4
AA-104-190	19 SEP 80	7 12		13.4	14.6	16.2	16.9	19.4	26.7	35.0							30.4
-191		7 14	11.7	11.8	12.2	15.2	16.8	20.5	25.5	33.7							31.3
-211		13 16	7.6	7.7	6.3	8.2	11.8	12.9	16.7	23.0	27.1	32.5		29.5	27.0	22.7	29.6
-212		13 21	5.9	5.8	6.1	8.2	10.2	12.2	17.4	24.4	28.3			27.8	27.1	23.0	29.6
-213		13 35	10.8	8.8	7.4	9.8	14.6	16.5	22.5	24.3	30.8	34.6	34.2	28.5	26.3	24.5	30.9
AA-104-217	23 SEP 80	7 21	6.9	8.0	6.8	9.5	11.6	15.3	19.4	26.8	31.3	35.5	34.5	27.2	24.7	21.0	30.4
-218		7 23		10.2	9.5	13.8	15.4	18.3	22.6	28.2	33.1				26.9	23.2	29.5
-219		7 24	7.4	8.1	6.8	10.1	11.2	15.1	20.5	25.9	30.4			27.9	26.7	22.7	30.4
-222		7 41		7.8	7.9	10.6	14.1	17.6	21.0		31.6				27.2	23.9	29.1
-223		7 43	7.2	7.6	7.3	8.7					32.0				27.5	24.0	26.4
-224		7 46	5.8	7.2	6.9	9.8	13.4	16.0	21.6		33.0		35.7		27.1	23.1	30.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

PARAMETERS:
ALL DATA LISTED

DATABASE:

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081
DISTANCE 2079 M
DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-157	16 SEP 80	13 42	5.4	5.3	5.2	5.9	6.2	2.5								11.7	8.4
-161		14 8	7.3	6.8	6.4	8.1	6.8	3.6								12.2	9.7
-162		14 11	1.2	4.0	5.6	4.9	3.5	.2								9.5	6.1
-163		14 13	.2	1.1	2.6	3.4	.9	-1.7								8.5	4.1
AA-108-146		7 28	-7.3	-.1	2.2	2.2	5.0	3.5								5.2	1.1
-148		7 40	.4	-2.7	-4.1	-5.2	-6.1	-3.9	-7.4							5.0	-3.1
-152		8 6	5.0	1.6	-.6	-.7	-1.9	-.1	-2.2							6.4	1.0
-154		8 21	4.1	3.4	-.1	-2.2	-1.3	-2.9	-7.2	-11.7						4.8	-3.4
AA-104-167	17 SEP 80	7 27	-6.4	-3.0	-1.9	-2.5	-3.1	-5.3	-5.9							4.2	-.1
-168		7 30	-2.7	-.6	.1	-1.3	-3.0	-3.2	-4.0	-7.0						5.8	.1
-169		7 33	-2.6	.6	.8	-.8	-1.3	-1.3								6.2	3.4
-172		8 4	-1.3	-1.4	-2.2	-3.1	-4.5	-2.9								5.7	1.0
-173		8 23	-2.5	-.9	-2.8	-6.2	-6.8									4.6	-.1
-174		8 27	-6.8	-4.8	-8.1	-9.0	-8.4	-7.7	-9.3							-.5	-5.6
-180		13 51															
-181		14 2	21.3	18.5	16.3	15.5	14.8	11.3								25.3	19.3
-182		14 4	18.8	16.6	14.2	13.9	13.3	10.3								21.7	17.5
-183		14 6	18.1	16.0	13.9	13.8	13.5	10.0								21.5	17.5
-185		14 8	20.3	17.9	15.5	14.8	14.1	10.7								23.4	18.4
-186		14 13	18.4	16.0	13.7	13.8	13.6	10.6								21.7	17.0
-187		14 14	18.0	14.9	12.1	12.0	11.6	8.4								20.0	14.9
AA-104-190	19 SEP 80	7 12														28.7	43.2
-191		7 14														28.3	42.7
-211		13 16	18.9	15.6	12.4	12.3	11.7	9.4								19.3	16.6
-212		13 21	19.3	15.7	12.4	12.0	11.5	9.1								19.3	16.9
-213		13 35	21.2	18.0	15.3	15.4	15.3	13.4								22.3	19.9
AA-104-217	23 SEP 80	7 21	18.8	15.9	13.4	12.6	11.0	6.7								19.6	15.3
-218		7 23	21.6	19.8	17.4	17.6	16.0	10.5								23.3	19.6
-219		7 24	20.4	17.6	14.8	14.3	13.4	9.1								20.4	17.5
-222		7 41	22.2	19.9	18.0	17.3	15.7	11.8								22.3	19.6
-223		7 43	21.6	18.9	17.1	16.8	15.4	11.0								23.6	19.0
-224		7 46	21.0	18.5	16.4	16.4	15.2	11.3								21.5	18.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87
PAGE D73

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-239	24 SEP 80	7 12	11.8	11.4	9.9	12.5	14.9	18.3	26.9						32.3	30.2	31.3
-240		7 13	11.0	9.9	8.6	11.7	14.5	19.6	27.1	34.6						30.8	31.3
-241		7 15	10.9	10.4	9.0	11.3	14.2	19.4	28.0	34.7					33.3	31.4	30.4
-242		7 16	10.3	9.8	10.5	12.8	15.4	20.3	28.7						32.4	30.4	31.3
-249		7 39	9.7	9.6	8.8	11.3	13.7	17.2	21.6	30.7	35.6		40.6		29.6	27.6	30.4
-250		7 40	10.0	7.8	6.4	8.2	10.4	14.3	20.3	29.4	37.1		39.6		28.9	26.3	32.2
-251		7 42		7.1	6.1	9.4	12.3	17.0	24.5						29.6	27.4	31.3
-252		7 43	8.2	8.2	8.1	12.1	13.2	17.4							29.9	28.6	32.2
-253		7 45	7.8	7.5	6.6	10.1	13.7	18.4									31.3
-254		7 46	10.4	10.2	9.1	12.2	16.0	20.8							29.7	28.0	32.2
-255		7 48	8.4	9.0	8.2	10.2	12.4	17.2							25.4	24.8	45.2
-256		7 49	7.5	8.8	8.6	12.4	15.0	20.0							29.1	27.2	35.3
-262		15 17	5.3	6.9	6.8	9.5	11.4	14.8	18.8	22.8	27.7	29.8	28.4	21.4	19.6	16.4	32.2
-263		15 18	4.5	4.2	3.1	6.0	6.1	11.4	16.9	18.5	24.4	28.2	26.4	16.7	13.9	10.5	32.2
-264		15 24	6.1	4.2	3.8	4.8	4.1	9.7	14.2	20.2	23.0	27.4	25.6	17.4	17.4	16.2	22.4
-265		15 26	3.1	2.2	1.1	2.7	2.9	7.3	9.8	14.4	17.6	27.8		17.9	12.6	10.2	32.2
-266		15 28	1.8	.4	-1.0	1.3	1.6	6.3	9.7	12.6	18.5	29.4	29.2	18.8	14.8	9.5	31.3
AA-104-272	25 SEP 80	7 30	-1.7	-3.8	-5.9	-3.4	-.9	3.1	8.2	14.0	16.5	18.7	17.6	11.0	8.2	4.1	35.3
-273		7 32	.3	-2.5	-4.8	-1.9	1.6	5.6	11.8	20.4	20.2	19.4	19.4	12.6	8.1	3.8	31.3
-274		7 34	-.6	-3.3	-4.8	-1.4	1.8	5.5	11.9	21.0	28.2	28.9	26.2	16.5	11.8	10.0	32.2
-275		7 36	-1.3	-3.5	-5.3	-1.9	1.0	4.5	9.9	16.3	22.2	27.0	26.4	20.3	12.1	5.6	36.2
-276		7 38	-.1	-3.2	-5.1	-2.1	.7	3.5	8.1	14.2	19.5	24.3	24.2	18.9	16.9	12.8	30.4
-279		8 0	2.6	-1.4	-3.6	1.7	3.7	6.1	13.5	20.9	28.2			20.3	17.9	16.2	32.7
-280		8 2	2.4	-.9	-2.4	4.1	4.0	7.2	13.2	20.1	25.9	29.1	28.3	22.5	18.7	16.2	40.3
AA-104-286	30 SEP 80	14 30	5.9	6.2	5.6	8.6	12.6	18.0	19.6	21.8	24.0	25.4	24.2	16.2	10.0	8.0	31.3
-287		14 31	1.4	2.9	3.5	7.5	11.4	15.3	19.0	22.4	25.4	28.0	25.4	16.8	11.3	10.3	31.3
-288		14 33	4.7	6.9	7.8	9.2	11.8	15.8	20.5	24.8	28.6	30.0	28.0	19.2	15.0	15.0	31.3
-289		14 34	5.4	6.1	5.2	7.2	11.0	14.8	18.6	22.0	26.9	28.9		18.2	13.4	13.2	30.4
-290		14 37	3.9	5.1	4.7	6.2	8.8	13.7		22.4	27.5		29.5	19.5	14.5	14.0	32.2
-296		15 13	4.3	5.3	6.0	7.9	10.4	13.7	19.2	21.8	25.5		26.9	17.3	12.3	11.4	31.3
-297		15 25	5.1	5.6	4.3	5.5	9.3	12.9	19.9	24.1	29.3	31.0	29.2	18.2	13.9	13.7	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-239	24 SEP 80	7 12	29.3	26.6	26.0	26.5	25.4									24.7	29.7
-240		7 13		27.9												24.5	36.6
-241		7 15	30.1			26.9	26.0									24.6	31.8
-242		7 16		28.5	26.1	26.4	25.4	20.8								25.5	28.5
-249		7 39	26.5	24.9	23.6	24.4	23.8									22.8	27.5
-250		7 40	24.8	22.2	20.1	20.8	19.8	16.2								20.3	22.9
-251		7 42	25.9	23.8	21.7											22.2	29.6
-252		7 43	27.1													23.9	34.8
-253		7 45														23.5	43.0
-254		7 46	27.0			23.0										25.6	30.6
-255		7 48	23.0	19.9		19.3	16.1	9.8								22.3	19.6
-256		7 49	25.8													25.2	34.0
-262		15 17	13.7	11.5	9.3	9.5	8.6	5.2								17.6	12.6
-263		15 18	7.0	5.0	4.1	3.5	2.4	-1.3	-2.7							12.4	5.5
-264		15 24	14.0	12.1	10.0	9.0	7.9	3.8								12.3	10.9
-265		15 26	8.1	5.8	2.8	2.9	3.0	.6								10.7	7.5
-266		15 28	6.0	2.1	-1.2	-2.6	-2.9	-5.9	-6.0							7.8	1.0
AA-104-272	25 SEP 80	7 30	4.4	4.2	2.3	2.9	.3	-2.9	-4.5							7.0	3.4
-273		7 32	2.5	2.0	1.8	2.0	1.4	-2.0	-3.8							8.3	3.5
-274		7 34	8.9	6.9	5.4	4.7	3.4	-2.4	-1.4							9.7	6.0
-275		7 36	3.3	2.0	2.7	-.8	-2.6	-5.6	-4.9							7.3	1.4
-276		7 38	8.6	5.5	5.4	3.8	2.9	-1.7	-3.3							8.3	5.1
-279		8 0	15.7	15.1	13.0	13.1										12.7	17.7
-280		8 2	15.7	15.0	14.1	13.9	12.4	8.4								13.5	15.3
AA-104-286	30 SEP 80	14 30	6.7	4.1	1.9	2.1	1.3	-1.6								13.9	5.5
-287		14 31	7.5	5.0	3.3	2.8	.9	-3.3								14.4	5.9
-288		14 33	13.5	11.1	8.7	8.6	7.3	3.9								18.2	12.0
-289		14 34	11.7	9.5	7.3	7.2	5.7	2.2								16.2	10.1
-290		14 37	11.7	8.7	5.9	5.5	4.3	1.4								16.4	9.7
-296		15 13	9.4	7.0	4.7	4.4	3.5	-.1								14.4	7.3
-297		15 25	11.8	10.3	8.3	7.9	6.4	3.1								16.6	11.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87
PAGE D74

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-304	01 OCT 80	7 17	-4.5	-3.8	-8.8	-6.5	4.9	4.8	8.1	9.0	13.0	13.2	-.1	-9.1	-9.4	-7.6	31.3
-305		7 19	-6.2	-3.7	-7.3	-5.5	6.0	9.9	4.1	7.1	6.1	9.1	1.8	-7.1	-4.3	-7.5	31.3
-306		7 21	-7.7	-3.4	-7.5	-7.3	3.0	8.6	5.4	9.2	7.6	12.2	1.3	-6.7	-4.9	-7.0	31.3
-307		7 22	-8.4	-2.8	-5.5	-6.6	2.0	9.8	4.2	9.0	8.0	9.2	-1.0	-10.2	-9.3	-7.9	32.2
-308		7 24	-8.1	-3.5	-6.3	-6.5	3.2	3.4	.2	6.9	9.0	11.5	1.6	-7.2	-7.8	-8.1	31.3
-314		7 44	.1	-4.5	-7.5	-.9	.2	3.5	5.1	7.5	15.2	17.3	7.5	-2.5	-4.6	-6.1	31.3
-315		7 46	-1.6	-7.0	-8.8	-2.8	-2.4	5.2	4.5	11.1	12.7	14.6	7.6	.0	-1.3	-.9	31.3
-316		7 47	-2.4	-8.0	-9.1	-2.8	-3.3	4.2	-.2	5.8	9.9	11.2	2.3	-7.2	-8.7	-7.8	31.3
-317		7 49	-1.4	-6.9	-9.2	-3.1	-1.4	3.9	4.1	8.7	12.0	12.3	3.1	-5.8	-7.5	-8.3	31.3
-318		7 50	-4.3	-6.6	-9.5	-4.8	-1.8	1.4	5.0	6.2	15.7	14.7	8.4	-.6	-3.7	-4.4	33.1
-324		8 15	1.2	-5.9	-8.6	-3.5	-1.0	4.7	4.2	6.8	11.8	17.1	7.7	.0	-1.7	-1.9	33.6
-325		8 17	-2.7	-7.9	-8.7	-4.6	-1.3	6.6	4.4	4.7	8.0	8.1	2.7	-5.3	-5.3	-5.8	33.6
-326		8 18	-2.5	-7.9	-8.4	-3.2	-1.3	4.7	3.0	8.3	13.6	16.7	6.2	-4.1	-6.2	-5.9	32.2
-327		8 20	-2.6	-5.9	-8.5	-3.9	.0	5.4	4.6	9.3	12.6	13.2	6.7	-4.0	-8.8	-9.2	31.3
-328		8 22	-2.3	-2.3	-6.1	-2.7	4.6	2.6	9.4	8.5	13.2	16.0	5.8	-3.7	-6.5	-6.7	31.3
-329		8 24	-3.8	-3.0	-6.3	-3.2	3.7	3.0	8.1	7.9	17.6	17.1	9.8	-.6	-3.5	-3.3	33.1
AA-106-336	16 DEC 80	7 51		10.4	13.4	15.9							27.6	26.6	23.8	18.6	29.1
-337		7 53	6.4	7.5	8.8	11.3	12.5	15.1		22.3							32.2
-338		7 56	6.6			11.3	14.0	15.8	18.8	24.0							37.1
-339		8 7			14.1	13.9										26.4	32.2
-340		8 9	8.5	10.4	10.9	12.0	15.2	20.3	23.2	25.6	29.8		33.1	30.2	28.9	25.0	35.3
-341		8 11	11.0	12.9	14.1	16.4		19.9	20.8	26.7	29.8				28.4	25.0	33.6
AA-106-360	17 DEC 80	13 42	-.2	-1.2	-2.4	-1.8	.6	1.5	8.1	16.8	24.0	31.2	28.0	19.9	14.4	10.6	33.5
-361		13 45	-1.6	-2.2	-3.1	-3.3	-.9	.2	6.9	14.5	20.9	26.0	23.2	15.9	9.0	3.6	34.4
-362		13 50	-.7	-2.4	-3.5	-3.4	-.1	2.3	11.1	16.2	17.9	24.7	25.8	19.1	15.0	10.8	32.2
-363		13 54	-5.0	-6.3	-6.8	-6.0	-2.0	3.1	12.3	15.7	19.0	24.8	21.2	14.1	8.2	3.2	29.5
-364		13 57	-2.2	-3.8	-5.2	-4.3	-.7	2.8	10.1	12.7	15.6	21.4	21.1	13.5	8.4	1.7	34.0
-365		14 1	-1.9	-2.7	-4.0	-3.6	-.1	2.4	11.9	16.2	20.3	26.7	25.6	20.5	13.4	9.2	34.0
-366		14 6	-3.2	-3.0	-4.1	-3.3	-.8	2.2	10.3	16.3	21.5	28.4	28.3	19.9	11.2	5.9	33.4
AA-106-391	09 JAN 81	14 38	-4.5	-2.6	5.6	10.2							11.3	8.5	4.4	-.1	15.2
-392		14 42	-2.2	1.0	9.8	10.3		18.9	20.5	26.0	24.6	15.2	6.6	2.7	-.3	-5.3	37.1
-393		14 44	-3.9	-1.7	6.9	10.8		14.5	20.9	24.7	22.9	15.3	8.4	4.9	1.1	-2.4	41.1
-394		14 45	-3.3	-1.4	7.2	10.2		18.5	23.9	28.1	28.4	22.3	15.5	11.6	7.7	3.2	37.1
-395		14 47	-3.0	-1.0	7.6						27.5	20.2	13.1	9.1	6.4	1.6	35.3
-396		14 49	-2.9	-.8	7.4	10.6			20.3	27.2	27.7	21.0	13.7	8.1	2.9	-.6	36.2
-397		14 50	-3.1	-.9	7.1	10.9		17.8			25.7	18.3	10.0	6.3	4.0	-1.7	38.4
-398		14 52	-2.8	-.1	8.9						23.6	17.0	8.1	4.4	1.9	-.8	42.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:
DISTANCE 2079 M

DATE 02 FEB 87
PAGE E74

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-304	01 OCT 80	7 17	-4.6	-5.4	-5.2	-6.0	-8.9	-8.8	-9.7							-.6	-5.8
-305		7 19	-2.2	-2.9	-4.3	-8.0	-8.8	-8.4	-9.0							.5	-5.0
-306		7 21	-4.2	-4.9	-6.7	-7.1	-10.4	-10.8	-11.4	-14.3						-.8	-7.6
-307		7 22	-8.5	-8.6	-8.8	-8.3	-11.6	-11.6	-12.2							-2.0	-8.1
-308		7 24	-3.8	-3.6	-4.4	-5.1	-7.4	-9.0								.2	-4.1
-314		7 44	-3.0	-6.1	-5.0	-4.6	-4.5	-8.6	-9.3							1.5	-4.3
-315		7 46	-1.7	-2.7	-4.8	-3.2	-4.1	-5.7	-5.4							2.7	-2.1
-316		7 47	-3.3	-6.1	-6.2	-4.6	-6.7	-10.4	-12.8							-.4	-5.9
-317		7 49	-8.2	-6.1	-7.3	-6.1	-6.1	-9.1	-10.5							-.4	-5.8
-318		7 50	-4.6	-6.4	-5.7	-5.9	-6.1	-8.7	-9.2							1.1	-4.5
-324		8 15	-4.0	-7.2	-5.8	-6.8	-10.8	-14.0	-11.5							.5	-6.3
-325		8 17	-6.1	-10.1	-12.4	-11.1	-11.0	-14.2	-14.5	-13.6						-2.5	-9.8
-326		8 18	-4.9	-9.6	-12.3	-10.3	-11.3	-14.1	-13.3							-1.6	-8.9
-327		8 20	-9.4	-10.2	-10.7	-10.6	-11.7	-13.6	-13.7	-14.1						-2.5	-9.8
-328		8 22	-3.2	-7.0	-10.6	-8.0	-8.4	-12.6	-12.1	-11.1						-.4	-7.7
-329		8 24	-.8	-4.6	-7.2	-6.5	-7.5	-11.3	-10.9							1.9	-5.1
AA-106-336	16 DEC 80	7 51	16.4	14.3	13.4	12.7	5.8	-5.9		-37.6	-65.3					-40.4	-49.2
-337		7 53														23.2	37.3
-338		7 56														23.8	36.8
-339		8 7	23.0	21.1												31.0	29.7
-340		8 9	21.5	19.2	17.3	14.3	9.0									22.5	18.0
-341		8 11	21.1	19.2	17.5	14.5										24.9	22.2
AA-106-360	17 DEC 80	13 42	7.3	5.2	4.5	4.6	2.9	-1.7								9.7	6.9
-361		13 45	.1	-.1	-.8	.3	-.3	-4.0								7.3	2.9
-362		13 50	7.8	4.9	4.0	3.0	.3	-7.8								8.6	3.4
-363		13 54	.2	-1.0	-.5											7.5	6.2
-364		13 57	-.4	-2.4	-2.7	-4.3	-4.6									6.6	1.0
-365		14 1	4.0	2.4	3.0	4.6	4.3									9.3	7.0
-366		14 6	3.8	3.1	3.9	6.1	6.6									9.2	8.6
AA-106-391	09 JAN 81	14 38	-6.2	-6.2	-6.9	-7.1										-.1	-3.8
-392		14 42	-8.8	-8.0	-7.8	-7.5	-11.3									-2.9	-6.8
-393		14 44	-6.8	-8.2	-9.0	-9.2	-13.5	-23.2								-7.8	-12.8
-394		14 45	-2.6	-3.7	-3.8	-5.4	-9.8									.3	-4.0
-395		14 47	-2.3	-3.9	-4.6	-5.0	-10.3									.4	-4.1
-396		14 49	-4.3	-6.4	-7.1	-7.4	-12.1									-2.2	-6.4
-397		14 50	-6.8	-8.3	-9.1	-9.0	-14.0									-3.8	-8.1
-398		14 52	-6.1	-8.4	-9.2	-8.4	-16.6									-5.0	-9.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87
PAGE D75

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-403	13 JAN 81	8 23	-4.5	1.6	6.5	10.5	15.5	22.3	23.4	19.4	16.2	10.0	3.8	1.2	-1.4	-2.9	35.3
-405		8 26	-7.0	.0	6.9	11.1	15.2	18.7	20.8	18.0	15.2	9.0	3.0	-.6	-3.4	-6.9	30.5
-406		8 27	-6.2		7.4	11.0	16.0	19.9	21.2	17.7	12.5	6.1	.8	-2.2	-4.2	-6.5	32.3
-410		8 45	-7.6	-.3	5.6	10.5	16.2	16.8	13.0	10.3	7.6	2.1	-3.5	-4.9	-8.0	-9.1	35.4
-411		8 47	-5.7	.6	6.3	10.0	15.7		19.1	15.1	14.5	8.6	1.7	.4	-3.6	-5.5	36.3
-412		8 50	-7.3	.1	6.1	10.5	16.4	16.8	15.4	12.6	9.8	4.1	-.3	-3.6	-7.1	-9.5	38.5
-418		13 31	-2.0	2.0	10.6	13.0						20.4	13.1	5.7	2.2	1.5	35.3
-419		13 35	-2.4	1.0	9.5	12.9	18.5	24.6	28.3	27.5	26.7	21.3	16.2	12.1	7.3	3.6	35.3
-420		13 37	.1	2.7	10.5	15.2			31.1		25.8	21.8	15.1	11.9	7.4	3.3	10.3
-421		13 39	-2.5	1.4	10.1	12.6	17.9	25.1	27.4	24.7	24.0	17.6	11.3	6.3	5.2	5.1	34.4
-422		13 40	-2.2	1.7	10.0	13.4		25.5	27.4	26.6	25.6	20.0	12.5	5.2	1.3	-.1	35.3
-423		13 42	-2.7	1.1	8.6	11.8					27.6		15.9	10.2	6.6	4.1	38.5
AA-106-429	15 JAN 81	8 33	-2.5	-1.6	6.2	16.1							24.1	21.5	18.7	15.2	35.3
-430		8 34	-2.7	-1.8	6.0	16.5							24.6	22.4	21.0	19.2	30.9
-431		8 36	-2.7	-1.5	7.0	16.5	20.5						25.3	22.9	21.0	17.4	35.3
-432		8 37	-3.1	-2.2	6.5								25.7	21.3	20.8	20.3	34.4
-433		8 39	-2.7	-1.5	6.9				21.1	16.3	14.2	16.8	17.4	18.9	18.4	17.9	35.3
AA-106-438	03 FEB 81	9 38	-6.2	-6.7	-3.9	-.9	4.8	8.2	8.8	9.8	13.2	12.4	.5	-7.8	-8.3	-8.4	35.7
-439		9 43	-5.2	-7.3	-5.0	-1.2	8.3	12.1	15.0	16.1	17.8	16.3	4.7	-5.0	-6.7	-6.9	35.3
-440		9 48	-3.8	-5.8	-2.7	4.0	7.3	11.0	15.1	17.7	19.6	14.9	5.0	-6.7	-7.6	-6.6	20.8
AA-106-446	04 FEB 81	8 38	-6.6	-8.2	-6.4	-1.7	9.1	11.3	14.0	17.2	18.7	16.1	4.4	-4.7	-6.3	-9.0	38.0
-447		8 40	-5.1	-6.8	-4.8	-.4	9.3	15.0	18.4	16.9	17.9	17.1	6.7	-3.3	-6.0	-7.3	37.1
-448		8 41	-5.7	-7.8	-6.4	-1.5	9.9	14.8	17.1	16.2	19.0	16.7	3.4	-5.3	-7.8	-9.1	37.6
-449		8 43	-6.6	-8.3	-6.8	-2.7	5.2	9.5	14.6	15.8	18.2	16.2	4.9	-4.2	-7.1	-9.5	37.1
AA-106-455	12 FEB 81	13 56	-3.1	-4.9	-4.7	-2.3	8.4	13.0	20.9	24.3	27.8	24.8	18.6	8.9	6.5	5.8	34.4
-456		13 58	.1	-2.3	-2.3	.1	11.0	16.7	26.5	28.4	32.5	29.7	22.3	13.4	12.4	10.2	34.4
-457		14 1	-3.7	-5.5	-5.6	-2.2	8.1	15.0	23.0					8.1		4.4	34.0
-458		14 6	-1.6	-3.9	-3.6	-1.0	10.6	14.8			22.5				9.1	8.2	33.1
AA-106-464	25 FEB 81	8 33	5.8	5.9	5.4	6.0	7.8	7.5	11.8	17.7	24.5			27.1	25.6	21.2	31.3
-465		8 34		6.4	6.6	7.3	9.7	9.8	14.8	20.2	25.7				27.2	22.6	33.5
-466		8 36	5.7	5.5	5.0	5.1	7.6	7.1	12.6	18.6	26.0			28.4	26.2	22.0	33.5
-467		8 37		7.3	8.5	9.5	10.6	10.4	14.6	20.6	27.3				27.2	23.0	35.3
-468		8 39	4.1	5.3	5.8	6.2	7.7	7.3	11.8	17.6	26.2	30.2		27.5	25.6	21.5	33.1
-474		13 16	6.4	4.9	3.9	3.8	6.1	6.3	10.2	14.4	20.4	27.6	24.9	22.3	22.3	19.4	35.3
-475		13 18	2.0	1.4	1.4	3.1	7.4	6.9	12.7	15.9	20.8	25.1	25.2	21.4	21.6	18.6	33.5
-476		13 19	3.0	2.3	1.5	2.0	3.4	2.2	6.4	10.6	17.4	25.3	24.1	20.9	20.5	16.5	34.9
-477		13 26	3.6	4.0	3.6	4.8	7.0	8.6	12.4	16.4	21.2	26.3	25.1	21.4	20.5	16.9	35.3
-478		13 29	6.0	5.8	5.1	5.9	8.3	8.0	11.2	15.4	22.5	27.5	26.1	22.3	21.9	18.8	34.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87
PAGE E75

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-403	13 JAN 81	8 23	-5.1	-7.6	-8.5	-7.4	-13.6									-.9	-7.3
-405		8 26	-7.1	-10.1	-11.3	-10.6	-16.8									-4.2	-10.6
-406		8 27	-8.6	-11.6	-11.6	-10.6	-18.6	-30.0								-12.9	-20.3
-410		8 45	-10.8	-13.8	-14.6	-13.8	-21.0	-35.8								-10.3	-25.6
-411		8 47	-6.0	-8.1	-8.9	-8.3	-13.6									-2.3	-8.0
-412		8 50	-12.3	-14.6	-15.2	-14.2	-22.3									-9.0	-15.4
-418		13 31	-1.4	-3.9	-4.7	-5.3	-10.3									1.0	-3.9
-419		13 35	1.4	.0	-1.9	-.6	-4.0									5.6	.8
-420		13 37	2.5	-.1	-4.6	-7.0	-8.6									2.5	-3.0
-421		13 39	1.3	.1	-1.2	-1.0	-4.3									6.2	1.1
-422		13 40	-1.8	-4.5	-6.5	-6.5	-9.1									1.7	-3.7
-423		13 42	2.1	-1.3	-4.1	-5.2	-8.4									3.6	-2.0
AA-106-429	15 JAN 81	8 33	10.2	7.6	3.9	-.3	-5.7	-12.8								1.4	-2.8
-430		8 34	14.5	12.4	9.2	6.3	.7	-7.1								7.1	3.1
-431		8 36	12.3	7.8	2.9	-2.9	-9.8	-17.1								-2.4	-6.8
-432		8 37	14.6	11.4	6.9	1.0	-6.4	-15.0								.2	-4.1
-433		8 39	14.3	10.1	6.5	1.9	-6.3	-16.0								-.6	-5.1
AA-106-438	03 FEB 81	9 38	-7.2	-2.6	1.6	6.7	10.6	11.2								.5	-2.8
-439		9 43	-6.7	-2.6	1.7	5.7										2.5	-1.2
-440		9 48	-6.7	-4.9	1.3	6.4										1.9	-2.1
AA-106-446	04 FEB 81	8 38	-9.1	-8.2	-7.3	-4.2	-1.7	-2.9								.0	-5.1
-447		8 40	-8.4	-7.0	-4.7	-1.2										1.2	-3.3
-448		8 41	-9.3	-7.7	-7.2	-5.0										-.5	-4.9
-449		8 43	-10.0	-8.2	-6.3	-3.9	-2.7									-.2	-5.0
AA-106-455	12 FEB 81	13 56	2.9	.6	-1.1	-3.3										8.1	3.3
-456		13 58	7.7	5.4	2.9	1.9										11.3	7.3
-457		14 1	.5	-1.7	-1.8	-1.6										8.1	2.9
-458		14 6	6.2	3.5												11.5	11.7
AA-106-464	25 FEB 81	8 33	15.9	11.0	7.6	5.7	-.3									14.2	9.2
-465		8 34	16.9	11.7	8.7	7.2	2.1									16.3	11.3
-466		8 36	16.2	11.6	9.1	7.2	1.8	-7.0								12.1	4.9
-467		8 37	17.3	12.6	9.8	8.3	2.8									17.0	11.9
-468		8 39	15.9	12.3	9.0	7.1	1.4	-7.5								11.2	4.3
-474		13 16	14.7	10.9	8.3	7.7	5.0	.4								13.1	10.4
-475		13 18	13.3	8.9	6.6	5.8	2.3	-2.8								12.7	7.5
-476		13 19	11.5	6.6	3.2	1.3	-2.7	-8.4								8.3	2.7
-477		13 26	12.8	9.4	6.5	5.5	2.3	-2.2								13.4	8.5
-478		13 29	14.0	10.0	7.0	6.1	3.7	-.7								13.7	9.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87
PAGE D76

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	2.4	.8	.3	-.4	1.7	1.9	9.0	15.6	22.0	33.5	35.2	28.8	24.8	19.8	34.4
-486		7 31	2.4	.8	-.5	-1.0	.8	.9	8.7	16.6	24.6	33.9	33.7	27.9	21.8	15.2	35.7
-487		7 32	1.8	.4	-.8	-1.4	.4	1.2	8.2	15.2	21.5	32,7	33.0	26.3	19.4	12.2	35.3
-488		7 34	2.3	.7	.0	-1.0	.9	1.0	7.5	14.1	21.7	32.8	34.4	28.3	23.5	18.5	34.4
-491		7 51	5.6	7.4	9.4			16.6	21.5		30.7		36.0		26.8	26.0	35.3
-492		7 53		8.5	9.3	8.7	13.3	14.1	19.0		30.6		35.8		27.1	25.6	37.5
ESA STATISTICS:																	
MINIMUM			-8.5	-10.0	-9.6	-8.0	-7.3	-7.0	-6.5	-4.3	2.5	2.1	-3.6	-12.7	-13.8	-11.5	10.3
MAXIMUM			11.8	13.4	14.6	16.5	20.5	25.5	31.1	35.0	37.1	35.5	40.6	30.2	33.3	31.4	45.2
AVERAGE			.3	1.0	2.1	4.5	7.2	11.0	14.9	17.8	21.3	20.9	18.7	11.0	10.6	8.5	32.5
STANDARD DEVIATION			5.3	6.0	6.8	7.0	6.5	6.7	7.5	7.6	7.4	7.6	11.3	11.4	12.6	12.2	4.0
NUMBER OF DATA POINTS			154	169	175	169	152	159	152	141	150	122	142	142	161	166	177

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2079 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2079 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-485	27 FEB 81	7 29	11.8	5.5	.8	-1.6	-2.8	-5.2								8.9	3.2
-486		7 31	6.9	1.6	-1.4	-5.0	-7.5	-10.4								5.9	-.9
-487		7 32	4.0	-1.3	-3.8	-7.7	-10.2	-13.4								4.6	-3.6
-488		7 34	11.9	8.3	6.8	2.4	-.9	-5.6								8.8	5.1
-491		7 51														24.3	32.7
-492		7 53														21.5	31.8
ESA STATISTICS:																	
MINIMUM			-12.3	-14.6	-15.2	-14.2	-22.3	-35.8	-20.6	-37.6	-65.3					-40.4	-49.2
MAXIMUM			30.1	28.5	26.1	26.9	26.0	20.8	-1.4	-7.0	-28.1					31.0	43.2
AVERAGE			6.6	4.4	2.8	2.8	.4	-2.6	-9.5	-17.1	-42.6					9.6	6.5
STANDARD DEVIATION			11.0	10.0	9.1	9.2	10.1	9.7	4.8	8.2	19.9					10.6	14.2
NUMBER OF DATA POINTS			166	163	159	158	144	111	34	11	3					176	176

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE D77

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-034	29 NOV 79	11 1							24.8	25.5	26.2	27.4	26.0	21.3	18.7	17.5	20.1
AA-101-036	06 DEC 79	11 14		3.4	2.3	5.0	5.9	7.5	14.0	20.9	29.2			35.6	30.7	26.6	17.9
-037		15 15		10.0	10.4	13.3		16.6	21.6	22.1	24.4	29.5	28.7	23.8	21.7	21.5	26.4
AA-101-039	12 DEC 79	11 18	4.3	3.1	2.7	2.9	4.3	6.5	12.1	17.0	20.5			26.8	23.2	19.7	27.7
-040		13 10	.7	.8	.5	1.9					25.9		30.9	24.3	18.9	15.5	29.1
AA-101-041	13 DEC 79	11 30	4.1	3.8	3.7	5.4	6.0	7.8	14.1	18.4	20.6	23.5	25.8	21.9	18.1	14.3	30.0
AA-101-043	14 DEC 79	12 6	-1.6	-1.5	-2.0	-.1	3.0	4.1	7.7	12.3	16.8	25.4	26.7	22.0	18.0	16.3	23.8
AA-101-044	23 JAN 80	11 54															25.5
AA-101-047	29 JAN 80	11 42		11.3	12.3	16.6	17.3	19.2	20.6		23.0	27.0	26.1	22.0	18.2	17.1	39.7
-049		13 27			12.2	16.5		20.4	21.2		23.2	28.2	27.8	23.4	18.4	16.8	17.4
AA-101-055	13 FEB 80	11 53		11.6	12.9	15.3	20.9	23.5	27.9	31.3	35.1	33.0	30.1	27.6	25.4	26.6	39.0
-056		12 4									34.7	35.0	32.2	28.7	26.5	28.2	24.6
AA-101-065	20 FEB 80	11 19	6.0	7.3	7.7	9.7	13.2	11.3	12.6	14.1	18.5	27.6	31.9	34.4	35.3	35.2	28.7
AA-101-068	21 FEB 80	14 10	-5.8	-3.7	-5.4	-5.8	-5.5	-9.0	-6.9	-5.1	-1.1	8.7	13.6	16.1	16.8	14.6	29.9
-069		14 13	-3.4	-1.0	-2.9	-4.1	-5.1	-6.6	-6.2	-4.6	1.5	15.5	19.9	21.2	22.1	18.5	29.5
AA-101-073	27 FEB 80	11 57													15.5	12.8	17.0
AA-101-074	01 APR 80	11 3		13.5	13.8	17.1	21.4	20.0	27.2	30.9	32.4	36.6	37.2	34.5	32.8	31.8	49.7
-075		11 22	7.9	10.8	12.6	14.6	18.9	17.1	21.4	26.1	30.3	36.3	37.3	33.1	30.1	27.7	33.5
AA-101-076	03 APR 80	11 17	2.4	5.0	5.1	4.6	9.1		12.8	18.7	23.8		33.3	29.8	26.2		30.4
-077		14 12	1.5	.5	-1.3	-1.4	1.3	1.4	8.8	15.9	23.0	31.2	32.5	27.5	25.0	21.3	38.9
AA-101-080	10 APR 80	9 39									26.5	30.6	30.8	27.7	24.5	22.7	19.3
-081		10 47					18.0	17.0	20.3	21.5	22.0	25.3	24.4	19.9	17.0	15.5	26.9
-082		11 47						18.0	20.2	21.8	22.2	26.5	25.2	25.0	22.6	20.5	31.3
-083		12 3		11.2	12.3	12.7	14.6	14.8	15.9	18.5	20.0	23.2	19.8	13.6	10.9	10.9	34.0
AA-101-087	11 APR 80	10 51	6.0	8.1	8.4	12.7	15.8	18.2	19.0	22.8	25.3	28.9	29.2	27.5	25.2	23.6	29.5
AA-101-088	16 APR 80	10 4	4.6	5.6	4.1	4.3	8.0	10.4	15.1	21.1	26.3	31.8	33.4	29.6	24.5	19.6	29.6
AA-101-089	17 APR 80	11 23	8.8	9.2	8.8	11.3	15.6	15.7	21.3	24.7	26.2	31.4	31.8	29.7	27.5	26.2	27.3
AA-101-096	08 MAY 80	10 26	.5	-.1	.9	3.6	5.3	10.7	17.6	24.0			21.1	17.5	13.7	11.2	15.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
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TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-034	29 NOV 79	11 1	14.6	12.6	10.4	6.4										19.2	13.5
AA-101-036	06 DEC 79	11 14	22.2	17.4	12.5	9.3	7.0	4.4								14.2	15.0
-037		15 15	17.8	15.3	12.9	11.3	8.9	5.7	2.2							17.8	12.8
AA-101-039	12 DEC 79	11 18	16.3	11.7												7.6	17.0
-040		13 10	11.4	8.1	4.2	1.7	.3	-1.7								11.5	7.1
AA-101-041	13 DEC 79	11 30	9.3	5.1	-.4											8.9	12.2
AA-101-043	14 DEC 79	12 6	13.1	7.8	3.8	1.4										10.0	10.3
AA-101-044	23 JAN 80	11 54															
AA-101-047	29 JAN 80	11 42	14.0	10.3	6.1											18.0	14.6
-049		13 27	14.9	11.0	8.0	.6										16.7	11.5
AA-101-055	13 FEB 80	11 53	25.2	22.6	21.7											25.3	26.6
-056		12 4	26.6	24.6	23.2											30.1	28.0
AA-101-065	20 FEB 80	11 19	32.3	27.2	22.6	20.0	18.6	15.5								18.4	24.5
AA-101-068	21 FEB 80	14 10	8.6	4.5	2.3	-.8	-1.5	-2.8								-1.4	3.4
-069		14 13	12.4	9.8	7.9	6.7	3.2	.8								1.1	9.1
AA-101-073	27 FEB 80	11 57	10.5	8.1	6.9	3.4										15.4	10.3
AA-101-074	01 APR 80	11 3	30.7	27.8	25.6	23.7	22.9									27.6	28.4
-075		11 22	26.2	22.9	20.4	18.3	19.0									22.9	24.3
AA-101-076	03 APR 80	11 17														15.1	25.4
-077		14 12	16.8	9.9	4.3	2.1	1.5	-.5								11.4	9.2
AA-101-080	10 APR 80	9 39	20.8	19.1	17.0	16.0	15.5									24.6	20.1
-081		10 47	14.8	13.2	11.3	9.9	9.5	7.9								18.1	13.2
-082		11 47	19.2	17.3	15.2	14.0	13.9									21.1	18.0
-083		12 3	12.7	14.5	13.8											16.1	15.2
AA-101-087	11 APR 80	10 51	22.2	19.8	16.2	14.3	13.3	10.7								20.2	18.3
AA-101-088	16 APR 80	10 4	14.5													14.6	23.4
AA-101-089	17 APR 80	11 23	25.4	23.4	20.9	19.2										21.7	24.4
AA-101-096	08 MAY 80	10 26														7.5	16.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE D78

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-098	09 MAY 80	10 40		9.0	12.3					27.7	30.4	30.8	28.8	25.6	24.0	21.9	34.4
AA-103-101	09 SEP 80	7 10	1.2	3.2	1.7	4.3	7.3	11.8	19.3	27.6	32.6		32.2	22.1	18.3	14.2	29.1
-103		7 24	3.2	3.3	2.0	3.5	6.9	11.7	20.5	28.2	32.9	34.9	28.6	19.9	18.6	14.8	29.6
-105		7 35	3.8	4.8	2.9	5.0	7.5	12.3	20.1	29.3	38.0	37.7	30.7	25.3	21.9	10.3	32.2
-107		7 45	3.9	5.4	4.2	5.6	8.2	11.8	17.6	29.1	38.1	38.6	32.8	22.2	19.4	19.3	34.5
-109		7 55		5.0	4.4	5.6	8.4	11.6	18.3	28.3	36.5	38.0	30.2	21.1	20.6	13.3	30.0
-112		12 58									35.7		34.8	30.2	31.1	29.6	29.5
-114		13 10							27.9	29.9	33.1				29.3	28.7	32.2
-116		13 23								28.4					29.7	28.4	30.4
-118		13 37				18.9			28.3	30.2	33.3		34.1	28.4	28.8	28.1	32.7
-120		13 53								28.6		33.7	31.4	26.9	27.6	27.1	29.5
-122		14 8						22.2	25.2	28.3	31.3	32.7	30.5	25.7	26.2	25.8	28.2
AA-103-125	10 SEP 80	6 58	-5.5	-6.0	-7.8	-6.8	-3.9	.1	6.2	10.8	13.9	18.8	11.9	3.6	2.3	-.2	30.4
-127		7 11	-5.4	-5.5	-6.5	-4.3	-1.4	1.1	5.4	9.5	14.6	19.8	13.1	5.6	2.8	-.1	24.6
-129		7 22	-4.1	-5.0	-6.9	-5.6	-2.8	1.8	7.3	9.0	13.5	19.3	14.3	6.3	4.4	.5	29.5
-131		7 33	-3.4	-3.1	-4.7	-4.4	-2.3	1.6	8.9	14.7	17.1	21.5	16.0	7.4	5.3	2.2	28.6
-133		7 44	-5.2	-4.0	-4.8	-3.6	-1.8	1.8	7.3	12.3	15.9	20.0	15.4	6.8	5.0	3.2	29.1
-135		13 0	.8	1.8	.8	2.4	5.6	6.0	9.5	14.7	24.6	30.7	31.7	23.4	22.3	19.0	29.6
-137		13 10	1.6	2.0	.2	-.2	1.3	3.1	6.7	10.2	19.2	28.8	28.4	19.5	17.0	12.8	30.5
-139		13 19	2.1	3.7	2.6	4.2	6.3	7.0	10.8	14.5	23.1	33.0	32.6	27.8	25.7	21.3	30.4
-141		13 29	4.2	4.3	3.3	4.1	6.4	8.1	13.0	16.8	23.5	30.4	32.3	25.4	24.0	20.6	30.4
-143		13 44		5.9	5.2	5.0	6.9	8.7	10.3	13.0	23.0	31.9	32.2	25.0	23.0	19.8	29.1
AA-103-145	16 SEP 80	7 19	2.6	3.9	2.7	4.3	8.0	12.3	21.2	35.3	40.9	43.5	38.5	30.0	26.7	20.6	36.2
-147		7 34	.5	.6	-.7	.6	3.9	8.7	17.4	26.9	35.1	38.7	32.8	21.1	16.3	11.3	32.2
-149		7 47	2.9	3.2	1.5	2.5	4.3	8.1	15.6	27.4	38.1	40.7	35.4	25.4	22.6	17.5	29.5
-151		8 0	4.1	6.5	5.8	7.0	9.3	12.7	19.4	28.9	37.3	41.9	37.6	30.3	28.8	27.4	30.4
-153		8 12	4.5	6.2	4.4	5.0	6.1	10.2	16.5	24.5	33.8	35.4	35.4	29.9	29.2	28.2	29.5
-155		13 12	8.4		13.3	15.0		25.0	28.7	33.0	37.7	41.0	37.8	31.7	33.4	31.5	29.5
-158		13 49		11.3	11.6	15.0		23.9	28.6	33.6	37.4	40.1	36.6	30.7	31.4	29.8	32.2
-159		13 51							27.8	32.2	37.9	41.3	37.2	31.3	32.4	31.1	31.3
-160		13 54			11.6							39.0	35.8	30.8	31.7	30.0	32.2
AA-103-164	17 SEP 80	7 5								38.4	41.1	44.7	44.0	40.2	41.6	39.9	29.0
-165		7 12								37.6	42.3	45.8	44.7		43.5	41.9	36.6
-166		7 20									42.9	45.6	44.5	41.3	42.3	40.7	31.3
-170		7 44															35.8
-171		7 47								36.6	41.1	44.5	43.2	39.3	39.8	38.7	32.6
-175		13 12	7.5	7.5	7.0	7.1	9.2	13.3	18.5	23.7	31.3	37.1	32.2	26.6	25.8	22.5	29.5
-176		13 22	5.3	5.7	4.5	4.1	6.9	11.7	17.6	23.4	28.3	33.8	29.2	21.8	19.6	17.4	29.5
-177		13 24	7.1	6.0	4.6	5.0	7.4	11.4	16.4	22.8	31.6	37.2	31.3	23.7	22.1	19.3	19.6
-178		13 28	7.0	6.8	5.3	6.1	8.9	12.2	17.4	23.8	30.0	38.0	36.1	27.7	24.9	20.9	35.3
-179		13 34	6.0	5.5	3.9	4.4	6.4	9.5	15.4	20.5	29.5	37.4	[illegible].1	24.6	23.0	19.9	29.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE E78

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-098	09 MAY 80	10 40	19.9	16.6	13.8	10.9	8.9									21.5	16.8
AA-103-101	09 SEP 80	7 10	10.4	11.3	1.4	1.0	.7	-3.7								10.7	5.9
-103		7 24	11.0	6.7	2.6	1.1	6.4	1.2								13.1	8.1
-105		7 35	4.7	-1.0	-1.0	-1.1	-.5	-.9								9.6	4.0
-107		7 45	6.8	3.5	-1.0	-3.5	-4.3	-7.2	-3.9							8.5	1.9
-109		7 55	6.0	3.9	.3	-1.0	-4.8	-7.2	-9.5	-14.1						4.6	-2.4
-112		12 58	27.9													35.4	34.2
-114		13 10		24.4												32.4	32.3
-116		13 23	26.0	24.8												32.9	31.3
-118		13 37	25.2	23.2												30.7	29.9
-120		13 53	24.9	23.5												30.7	29.2
-122		14 8	23.6	22.7												28.0	28.2
AA-103-125	10 SEP 80	6 58	-3.3	-4.5	-6.8	-7.9	-8.4	-12.1								1.1	-3.7
-127		7 11	-2.6	-2.6	-4.7	-7.7	-9.5	-11.3								2.2	-2.7
-129		7 22	-3.0	-4.3	-5.5	-6.2	-7.4	-10.7								1.6	-2.7
-131		7 33	.1	-.4	-1.7	-3.8	-5.8	-8.3								4.2	-.1
-133		7 44	.1	-1.8	-4.5	-6.1	-7.5	-10.5								3.2	-1.8
-135		13 0	15.1	11.3	6.6	4.6	2.8	.4								12.8	9.5
-137		13 10	9.1	6.2	3.1	.6	-1.4	-5.7								8.4	4.4
-139		13 19	17.7	14.3	10.1	7.4	4.5	1.0								14.2	11.4
-141		13 29	16.5	12.1	7.1	4.0	3.2	.1								14.3	10.1
-143		13 44	15.7	12.4	7.8	4.3	1.4	-.8								13.3	9.2
AA-103-145	16 SEP 80	7 19	19.2	21.1	19.6		17.3									19.6	23.2
-147		7 34	5.6	3.3	.6	2.6	3.9	.9								11.2	7.1
-149		7 47	10.0	6.5	4.0	5.7	3.8	-.6								12.8	8.8
-151		8 0	24.5	22.3	18.6	15.8	13.1	10.4								20.0	20.1
-153		8 12	25.9	24.4	21.6	18.4	15.4	11.1								18.2	21.6
-155		13 12	29.6	28.0												30.6	33.3
-158		13 49	28.1	27.2	24.5											29.2	30.2
-159		13 51	29.5	28.4												33.4	33.5
-160		13 54	28.8	27.4												32.7	32.5
AA-103-164	17 SEP 80	7 5	38.6													42.1	43.6
-165		7 12														43.7	47.8
-166		7 20	39.4													44.4	44.6
-170		7 44															
-171		7 47	36.9	33.7												40.3	39.9
-175		13 12	19.3	15.9	12.9	10.9	10.1	9.5								19.1	16.8
-176		13 22	13.9	10.9	10.0	9.5	9.2	8.4								16.1	13.8
-177		13 24	15.1	12.4	11.6	12.0	11.0	8.5								16.7	15.0
-178		13 28	16.0	12.9	11.2	11.4	11.5	9.4								17.6	15.4
-179		13 34	15.9	13.3	12.0	11.2	9.3	7.4								16.0	14.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE D79

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-188	19 SEP 80	7 1	1.1	-1.7	-4.2	-1.8	1.1	7.3	9.5	11.9	11.2	21.5	18.6	10.6	8.2	5.5	31.3
-189		7 3	.5	1.5	-1.5	-1.0	2.8	8.5	13.0	13.4	16.9	20.7	17.8	7.5	6.6	4.1	29.5
-192		7 21	-5.1	-5.2	-7.4	-6.4	-3.1	4.6	8.7	9.7	14.0	19.0	14.1	8.4	5.3	3.4	29.6
-193		7 23	-4.8	-5.1	-7.4	-6.5	-1.9	5.2	8.5	16.1	16.9	21.3	17.7	7.5	6.5	3.3	31.4
-194		7 25	-6.4	-6.9	-8.7	-7.5	-4.6	1.9	10.1	15.6	17.7	14.7	8.2	1.7	2.2	.1	30.5
-200		7 52	-5.1	-7.1	-8.1	-3.6	2.4	3.6	6.9	11.2	16.2	20.8	18.2	7.9	7.3	7.8	28.2
-201		7 54	-5.4	-6.7	-7.4	-2.8	2.1	4.3	10.9	12.6	14.9	21.4	18.1	11.9	10.8	7.8	29.6
-202		7 56	-5.7	-6.6	-6.2	-2.6	1.2	3.1	14.1	17.2	15.1	20.4	18.2	8.6	7.9	4.7	29.5
-203		7 58	-5.6	-6.4	-6.1	-2.7	-.3	2.0	14.2	12.7	13.7	18.6	19.9	9.8	10.2	5.3	29.5
-204		8 0	-6.9	-5.8	-6.5	-5.4	1.1	7.6	10.6	11.6	9.9	13.9	10.0	4.0	-1.3	-4.1	22.9
-205		8 2	-6.3	-6.2	-6.6	-5.8	-1.2	10.2	13.5	14.5	11.8	15.3	13.6	9.1	-.6	1.4	29.6
-206		8 14	-3.7	-2.2	-1.3	-4.2	.8	4.2	9.9	14.7	21.5	24.2	18.8	10.4	10.0	8.3	32.7
-207		12 53	6.5	5.4	4.3	5.0	7.3	7.1	11.6	17.4	24.2	33.1	31.4	24.6	24.5	21.6	30.9
-208		12 55	2.6	2.6	2.8	3.2	6.2	7.7	10.7	15.7	24.5	31.1	30.1	24.0	23.2	20.3	31.8
-209		12 57	6.0	4.8	3.7	3.7	4.0	5.2	9.7	14.1	20.5	27.9		24.0	23.7	20.1	31.3
-210		12 59	3.6	3.7	3.1	3.8	5.2	6.7	11.3	13.9	19.6	28.7	30.3	24.0	23.6	20.9	29.5
AA-103-214	23 SEP 80	7 8	-.2	.3	-.9	-.2	2.7	6.9	13.1	20.0	25.8	28.3	24.6	19.6	16.5	13.2	32.3
-215		7 10	.4	.2	-1.7	-.4	3.2	7.8	13.7	19.1	24.7	29.3	25.4	19.6	16.2	12.7	30.5
-216		7 12	-3.0	-1.6	-3.3	-2.0	1.5	7.9	13.9	17.5	20.8	24.0	19.1	15.7	13.0	10.9	29.6
-220		7 33	-.9	.1	-1.4	.3	3.9	8.2	13.8		26.4	30.2	26.1	21.6	19.0	16.0	27.8
-221		7 35	.6	.6	-.6	-.5	2.3	6.7	14.3	17.3	22.5		25.4	19.1	16.0	13.1	29.7
AA-103-235	24 SEP 80	6 59	-7.0	-6.3	-7.2	-4.5	1.1	6.4	10.9	10.4	12.7	15.4	13.1	5.7	7.1	4.2	30.4
-236		7 1	-5.2	-4.3	-4.4	1.1	9.8	7.8	11.4	12.6	13.7	19.7	13.6	3.0	2.7	1.3	30.4
-237		7 3	-5.5	-4.3	-4.7	-.8	7.3	11.3	14.7	16.1	21.0	24.5	17.7	8.0	5.4	1.8	32.7
-238		7 4	-5.9	-4.6	-5.1	-1.4	5.2	8.5	11.3	10.2	14.6	18.8	16.7	11.2	9.8	4.6	25.9
-243		7 24	-6.4	-6.0	-7.7	-5.9	-2.4	2.0	6.5	4.4	9.0	17.7	11.6	2.2	-.6	-3.4	31.8
-244		7 26	-6.4	-6.1	-7.6	-5.3	-1.2	3.4	9.5	8.7	12.7	18.8	10.6	1.5	-.1	-2.1	31.8
-245		7 27	-5.0	-4.5	-5.2	-3.0	2.3	6.7	11.2	12.1	18.3	25.9	18.5	10.0	9.1	7.1	31.8
-246		7 29	-6.4	-5.2	-4.5	.8	7.3	7.7	9.2	9.1	12.9	20.0	11.6	1.7	.2	-.6	31.3
-247		7 31	-5.4	-4.3	-4.1	1.1	7.4	7.4	9.2	8.0	11.2	19.8	11.0	1.5	-.2	-1.4	29.5
-248		7 32	-6.4	-4.3	-4.4	1.2	10.1	12.9	13.1	10.6	16.8	24.1	16.8	8.3	8.3	5.4	23.7
-257		15 0		5.7	4.7	6.8	9.7	12.5	19.2	25.6	32.8	38.4	34.8	29.4	28.6	25.0	31.8
-258		15 1	4.5	6.7	6.2	7.2	10.7	15.7	24.4	26.1	33.1	32.9	33.4	27.9	27.3	24.9	31.3
-259		15 3	1.2	2.8	2.0	2.7	4.8	6.2	11.9	19.2	29.8	35.3	32.9	25.5	25.0	20.9	31.3
-260		15 4	2.6	5.2	4.7	7.0	9.8	9.4	14.0	20.7	32.2	37.2	34.0	28.3	27.9	24.4	31.8
-261		15 6	5.1	8.3	7.5	10.3	13.4	17.1	23.1	26.2	33.8	38.8	35.6	30.6	30.2	26.9	31.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:
DISTANCE 2087 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-188	19 SEP 80	7 1	1.4	1.7	1.7	.9	-1.9	-4.7								7.0	3.4
-189		7 3	.6	-1.6	-2.7	-1.0	-3.5	-6.9								5.6	1.0
-192		7 21	-1.0	-2.7	-3.4	-4.3	-3.3	-5.7								4.2	.4
-193		7 23	1.1	-1.0	-2.9	-3.1	-5.1	-6.8								5.0	.9
-194		7 25	-2.5	-6.0	-10.8	-13.6	-14.9	-17.3	-19.6							-2.4	-9.1
-200		7 52	7.1	5.2	3.3	1.0	.3	-1.3								7.6	6.2
-201		7 54	4.5	1.0	-.9	-.7	-2.6	-5.4	-4.3							6.8	2.6
-202		7 56	.9	1.1	-2.6	-3.2	-4.3	-6.6	-6.6							5.6	.8
-203		7 58	3.7	.7	-2.0	-1.0	-3.3	-4.3	-3.8							6.2	2.2
-204		8 0	-7.2	-8.1	-5.0	-8.7	-14.5	-14.3	-18.2	-22.7						-4.4	-11.1
-205		8 2	-.5	-4.3	-6.9	-7.2	-7.4	-8.4								2.3	-2.3
-206		8 14	3.5	2.7	-.9	-4.2	-7.1	-8.0	-4.9							6.2	1.0
-207		12 53	18.6	15.1	11.1	8.7	7.3	4.7								15.3	13.9
-208		12 55	17.6	14.8	12.6	11.2	9.6	6.0								14.7	14.3
-209		12 57	17.1	14.6	11.5	9.1	7.2	4.3								13.7	13.8
-210		12 59	18.1	15.4	12.5	10.3	8.1	4.7								14.2	14.1
AA-103-214	23 SEP 80	7 8	9.5	6.6	4.8	3.1	2.9	-.5								10.5	7.9
-215		7 10	8.3	5.8	3.7	2.2	2.5	-.1								10.3	7.5
-216		7 12	6.9	5.2	3.4	1.0	1.7	-1.9								8.5	5.3
-220		7 33	11.7	9.9	8.1	5.7	6.2	2.7								12.1	9.9
-221		7 35	9.5	7.5	6.4	3.6	3.3	.8								10.5	7.8
AA-103-235	24 SEP 80	6 59	.6	.7	-1.5	-4.5	-5.9	-8.4								4.9	.6
-236		7 1	-1.5	-1.0	-1.8	-2.5	-4.6	-6.2								4.8	.5
-237		7 3	-.5	.4	.0	-1.1	-4.6	-5.0								6.4	1.7
-238		7 4	-.1	-2.4	-2.5	-2.5	-6.1	-8.7								5.2	.0
-243		7 24	-3.6	-3.4	-5.5	-6.0	-9.5	-13.0	-15.3							-.9	-5.7
-244		7 26	-3.0	-2.9	-1.2	-3.3	-6.7	-9.2								1.7	-1.8
-245		7 27	3.5	1.3	1.3	-1.1	-4.6	-6.7								6.3	2.2
-246		7 29	-1.0	-1.9	-3.3	-3.3	-8.6	-10.8								3.0	-1.7
-247		7 31	-4.9	-4.5	-5.2	-6.0	-8.5	-11.4								1.7	-3.3
-248		7 32	3.9	2.3	.2	-.2	-.6	-5.5								7.7	3.4
-257		15 0	22.8	20.7	16.9	13.8	11.3	7.5								19.8	18.4
-258		15 1	21.8	20.0	16.5	13.5	10.3	6.7								20.4	17.5
-259		15 3	18.0	15.8	12.2	9.3	6.7	3.6								14.7	14.0
-260		15 4	21.3	19.3	16.1	13.9	10.8	6.4								17.9	17.1
-261		15 6	24.9	22.8	20.1	18.1	14.9									23.1	22.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE D80

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-267	25 SEP 80	7 10	-1.3	-1.6	-2.7	-1.4	1.5	4.2	10.3	18.0	29.1	36.6	34.5	24.1	21.3	17.5	31.3
-268		7 14	-.3	.0	-.4	1.3	3.3	6.3	12.8	23.2	35.8	42.4	37.2	28.7	26.2	25.2	30.5
-269		7 17	.7	1.9	1.5	2.4	5.1	9.5	16.6	23.5	32.2	40.7	39.0	31.2	29.5	26.7	32.7
-270		7 19	1.9	3.0	2.8	4.1	6.4	10.0	17.5	25.7	36.6	42.6	39.1	32.3	31.1	28.3	31.8
-271		7 22	1.2	1.5	.7	3.6	6.0	9.8	17.2	26.5	37.6	42.3	36.5	29.7	29.7	26.4	31.3
-277		7 50	5.4	4.2	2.5	4.1	5.5	8.6	14.5	23.6	38.6	41.8	40.2	33.0	31.8	29.4	22.8
-278		7 51	5.8	6.5	6.1	6.8	9.6	13.0	19.9	28.8	39.1	45.5	41.1	34.3	33.5	30.4	30.8
AA-103-281	30 SEP 80	14 15	5.8	6.8	8.3	10.7	12.2	15.9	22.0	26.3	30.5		30.6	25.2	23.7	23.0	31.3
-282		14 17	7.3		11.5	12.4			23.3	26.3	30.7	33.1	30.0	23.7	21.9	21.5	31.7
-283		14 19		7.0	7.5	9.4	12.3	16.0	21.2	25.3	30.1	33.7	31.8	27.1	24.9	24.3	31.7
-284		14 21	4.9	6.5	5.7	6.9	9.7	13.6	19.6	26.0	31.5	34.3	33.1	28.7	27.1	25.7	31.3
-285		14 22	6.5	9.1	9.5	13.0	16.1	21.8	26.7	30.1	31.8	35.0	35.1	31.1	30.0	28.8	31.7
-292		14 47	5.2	7.5	7.9	10.1	13.7	16.3	22.5	25.5	29.6	32.7	30.3	25.3	23.1	22.0	32.6
-293		14 48	8.1	9.1	7.8	10.1	13.2	16.3	23.2	28.7	32.2	34.7	32.2	27.2	25.4	24.6	33.5
-294		14 50	7.1	7.9	6.8	7.6	10.6	14.4	20.3	25.6	31.3	33.9	31.9	27.5	25.8	24.6	30.8
-295		14 53	6.9	7.8	8.0	11.7	13.8	19.1	23.7	26.0	33.0	34.7	32.4	28.1	26.2	24.9	31.7
AA-103-299	01 OCT 80	7 0	4.1	3.9	1.8	3.1	6.5	11.0	21.2	29.5	32.3	30.8	24.8	18.3	15.2	13.6	31.8
-300		7 2	3.6	3.6	1.8	2.9	6.3	11.0	21.7	29.7	30.0	29.2	25.1	20.1	9.0	4.1	32.2
-301		7 3	2.5	3.5	1.6	3.0	6.8	11.3	22.0	31.3	31.7	29.9	23.7	15.1	6.4	4.9	32.6
-302		7 5	3.3	3.7	1.3	3.0	6.4	11.4	22.3	30.6	31.8	30.8	24.4	16.5	8.3	7.1	30.4
-303		7 7	4.1	4.5	2.1	3.4	7.0	10.9	21.2	32.9	34.6	32.9	24.6	12.6	5.8	4.8	32.6
-309		7 32	5.0	5.9	4.1	6.5	8.7	13.6	23.5					23.9	18.2	13.3	33.0
-310		7 33	4.2	6.3	3.8	5.4	8.2	13.4	24.1	32.5	40.8	43.9	36.9	24.3	20.2	21.2	32.6
-311		7 35	5.5	6.9	4.2	5.1	8.1	13.0	22.2	35.3		45.5	36.8	24.7	22.4	20.2	31.3
-312		7 36	5.7	7.2	5.1	5.6	8.3	13.0	22.1					32.2	26.2	20.8	31.3
-313		7 38	5.5	6.6	5.0	6.0	8.2	12.6	20.8	34.3				29.8	22.8	18.6	32.6
-319		7 59		11.1	14.5	12.6	12.1	14.6			39.7						36.2
-320		8 0		10.4	13.7	14.7	12.5	14.5	23.2	33.5							32.6
-321		8 1	5.9	10.2	13.3	17.9	14.6	15.8	23.2	34.3	40.7				34.4	31.2	32.6
-322		8 3	5.7	9.5	11.6	16.9	16.8	17.8	23.8		39.9				35.7	32.2	32.2
-323		8 8	6.0	7.3	8.2	13.8	20.7	20.5	25.3						35.4	32.0	35.3
AA-105-330	16 DEC 80	7 29	-2.8	-2.9	-3.7	-1.5	3.2	8.9				30.3	30.3	22.5	19.7	15.3	29.6
-331		7 31	-2.6	-2.5	-3.3	-2.8	2.0	8.3				28.8	27.3	18.3	12.4	8.1	24.7
-332		7 34	1.9	1.5	-.4	.4	4.4	7.1	13.6	21.0	28.8	34.2	33.2	25.5	22.6	19.2	34.0
-333		7 36	2.9	2.9	.7	.7	4.2	6.4	12.0	18.0	25.6	34.1	31.7	23.6	21.2	17.1	34.5
-334		7 39	-.3	.7	-2.0	-1.6	2.2	4.5	11.8	16.1	21.6	29.2	29.2	20.7	20.2	17.0	34.5
-335		7 41	.1	1.4	-.8	-.1	4.8	8.9	15.5	21.8	27.0	33.2	31.3	21.4	20.2	16.9	33.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE E80

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-267	25 SEP 80	7 10	14.9	14.8	12.5	14.0	8.8	6.4								12.3	15.2
-268		7 14	18.1	13.0	11.2	9.5	9.4	8.3								14.2	15.2
-269		7 17	23.8	17.9	15.1	12.3	9.6	7.4								16.3	17.3
-270		7 19	25.6	21.9	18.2	15.8	12.2	8.6								17.9	19.3
-271		7 22	22.5	20.4	16.1	13.3	12.3	9.0								17.1	18.5
-277		7 50	25.5	23.2	18.2	15.0	13.2	9.9								17.3	20.3
-278		7 51	26.6	23.3	19.9	16.7	14.0									21.1	23.5
AA-103-281	30 SEP 80	14 15	20.8	18.2	14.7	12.6	9.3	4.8								20.2	15.9
-282		14 17	19.1	16.6	13.4	11.6	8.3	3.5								19.9	14.5
-283		14 19	22.4	19.8	16.5	14.5	11.0	5.8								20.0	16.4
-284		14 21	23.3	20.5	16.8	14.4	10.5	5.4								19.5	17.1
-285		14 22	27.0	24.3	20.8	17.6										25.4	25.2
-292		14 47	21.2	18.2	15.2	13.7	10.9	5.4								19.1	15.5
-293		14 48	22.2	19.4	16.1	13.9	10.6									22.2	19.3
-294		14 50	22.4	19.3	15.5	13.2	10.0									20.7	18.8
-295		14 53	22.7	18.8	15.6	13.3	9.8									22.2	18.9
AA-103-299	01 OCT 80	7 0	10.3	13.9	9.0	10.3	11.3	8.9								15.9	13.8
-300		7 2	3.4	5.5	-.7	3.5	6.0	4.0								10.9	6.8
-301		7 3	2.9	2.4	.0	3.7	4.7	2.8								10.3	6.2
-302		7 5	7.8	9.0	5.3	9.2	11.3	8.9								13.0	10.4
-303		7 7	11.0	8.0	2.3	3.4	6.9	7.1								11.2	8.1
-309		7 32	10.4	6.3	4.7	6.4	12.2	10.0								15.4	11.4
-310		7 33	16.1	8.7	6.1	7.3	9.6	9.7								16.8	13.3
-311		7 35	15.0	8.3	4.0	9.8	14.5	12.5								17.1	13.9
-312		7 36	13.1	9.9	6.4	6.6	14.1	9.8								17.5	14.0
-313		7 38	14.2	10.3	10.3	12.6	14.0	12.7								18.2	16.2
-319		7 59	25.2	19.7	12.6	9.8	12.6	11.1								22.4	18.3
-320		8 0	24.4	19.2	11.9	8.3	7.6	6.6								20.6	15.4
-321		8 1	25.6	19.1	14.9	13.0	13.3	10.8								23.1	19.5
-322		8 3	31.0	25.7	18.3											26.6	28.5
-323		8 8	29.4	25.5	18.7	13.2	12.6	9.8								24.1	19.9
AA-105-330	16 DEC 80	7 29	10.6	7.3	5.9	5.3	1.8	-2.4								11.8	8.1
-331		7 31	6.3	4.6	2.6	2.6	-.9	-6.7								9.1	4.3
-332		7 34	15.0	11.9	8.8	6.6	4.2	-1.5								13.4	10.2
-333		7 36	11.8	7.9	4.0	2.9	1.1	-3.1								11.7	7.3
-334		7 39	12.6	8.7	6.5	5.0	1.2	-3.9								10.4	7.4
-335		7 41	14.2	9.8	7.0	5.3	1.8									13.6	10.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

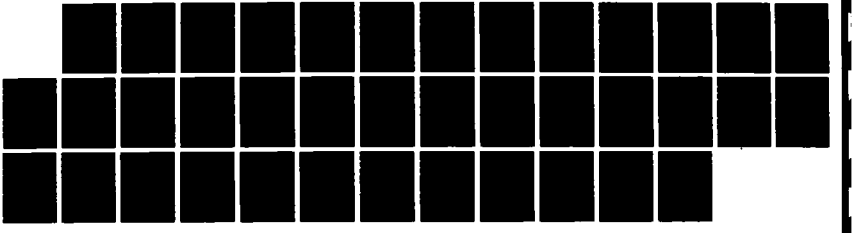
DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE D81

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-342	17 DEC 80	8 2			-.2	-.9	2.4				30.8	38.1	33.9	29.7	29.6	22.2	34.5
-343		8 8	-1.0	-.1	-1.3	-1.6	1.7	5.6	15.3		31.6	37.4	36.0	29.2	24.7	17.8	35.4
-344		8 10	.2	.3	-1.9	-2.0	1.9	5.9	15.6	26.5	31.1	37.9	34.3	25.8	24.4	18.9	35.4
-345		8 12	1.1	1.1	-.9	-1.6		5.5	14.8		31.8	38.4	35.2	26.7	25.2	18.6	44.3
-346		8 14	2.3	2.6	.8	.0		7.7	17.9		30.0	37.9	36.2	26.7	20.3	15.8	33.6
-354		13 13			13.0	15.5		18.4	21.5	24.2	27.8	31.7	31.9	27.7	28.4	26.0	49.6
-355		13 17		9.4	11.2	11.8	14.5	17.6	19.6	22.5	26.9	30.5	27.4	22.3	23.4	24.0	34.4
-356		13 18								27.2	29.4	33.6	33.5	29.3	29.9	28.6	34.4
-357		13 20						18.6	22.7	26.4	29.2	30.6	30.0	27.6	28.7	27.9	34.4
-358		13 22					13.6	21.7	23.9	26.3	30.9	34.5	34.1	29.2	28.9	26.6	34.4
-359		13 23					15.4		22.8	26.0	31.6	34.9	34.1	29.1	29.2	27.8	34.4
AA-105-367	05 JAN 81	10 30		2.6	7.0	11.4	18.9				33.2	27.6	21.9	17.7	15.0	8.7	35.8
-368		10 31	-.3	2.3	6.7	12.1						28.2	22.8	19.2	14.7	8.4	37.6
-369		10 34			6.5					37.2	36.5	31.4	25.3	21.1	18.8	13.9	34.4
-370		10 35	.9	3.2	8.9	14.3	23.0			37.1	35.8	31.3	25.3	20.0	16.3	10.2	35.8
-371		10 37		2.7	8.2	14.5	23.4				35.7	32.6	26.3	21.3	19.2	14.4	35.3
-372		10 39										30.8	26.4	21.4	18.3	14.6	34.4
-373		10 41			7.8	14.8					35.8	32.5	27.3	21.7	19.5	16.2	35.3
-374		10 43				15.0					36.3	31.5	26.9	22.8			34.4
-375		10 45			7.0							31.7		22.5	20.7	15.5	36.7
-376		10 46													20.9	17.7	36.7
-377		10 48	2.0	4.1	8.7	16.4	23.7				37.1	33.3	28.4	23.8	22.0	18.4	34.4
AA-105-388	09 JAN 81	14 9	-.1		8.7				36.6		34.6	30.3	24.7	23.2	20.9	18.2	36.8
-389		14 12	.6		10.1			30.2	35.2		37.7	32.1	27.5	25.3	23.7	21.7	36.7
-390		14 14	-.2	2.8	8.7				36.9		36.0	32.8	25.7	22.6	19.7	16.6	30.5
AA-105-399	13 JAN 81	8 7	4.9	9.2	15.0						40.5	37.9	32.3	31.7	29.6	27.1	35.4
-400		8 11	5.2	8.3	14.9					36.7	37.1	32.9	26.4	26.3	25.7	24.3	36.7
-401		8 13	6.3	11.6	17.4						39.4	37.1	30.7	29.9	28.0	24.6	36.7
-402		8 14	5.3	9.6	15.5							38.1	32.0	31.2	29.1	26.4	34.5
-407		8 35	6.0	10.4	17.8					38.3	39.4	36.9	31.3	30.3	28.1	24.9	34.5
-408		8 37	3.5	8.6	15.6					38.6	40.0	37.1	31.3	30.3	28.2	25.3	34.0
-409		8 38	3.1	7.4	12.8									27.5	27.1	24.2	35.4
-413		13 7								40.6	41.0	39.2	34.1	31.6	30.4	27.6	37.6
-414		13 11	4.0	6.9	11.5	20.0			36.3	38.3	39.1	36.8	31.9	29.3	28.1	25.1	35.8
-415		13 14	5.1	7.7	15.7	23.7					38.1	36.9	32.2	29.8	28.5	25.8	34.5
-416		13 16	5.1	7.7	13.0	22.0					38.0		32.8	29.7	28.8	26.3	35 4
-417		13 18	2.9	7.0	11.8	20.7					38.7	36.0	31.1	29.6	29.3	27.1	35.5
AA-105-424	15 JAN 81	8 19	.5	2.9	9.5	19.1	26.5	34.4	41.4	41.5	42.9	38.8	32.5	30.2	28.6	25.5	35.5
-425		8 21	1.1	3.5	10.8	18.7	26.7	35.5	39.8	37.6	39.1	38.0	31.5	28.0	27.0	24.0	35.9
-426		8 22	1.0	2.3	8.5	20.8	30.3				43.4	40.0	33.3	30.8	28.7	24.9	35.5
-427		8 23	1.0	2.7	9.0	18.5	27.9			41.4	43.1	39.3	33.1	29.8	27.2	24.1	35.4
-428		8 25	1.0	2.8	10.2	18.7	27.3					38.0	31.9	28.3	26.8	22.9	34.5

AD-A191 289 OVERGROUND EXCESS SOUND ATTENUATION (ESA) VOLUME 1 0/0
EXPERIMENTAL STUDY FOR.. (U) HARRY G ARMSTRONG AEROSPACE
MEDICAL RESEARCH LAB WRIGHT-PATTE.. R G POWELL JUN 87
UNCLASSIFIED AAMRL-TR-84-017-VOL-1 F/G 20/1 NL



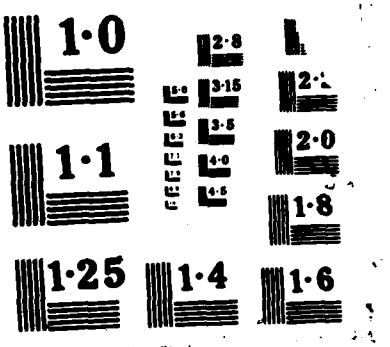

1·0
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1·25
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TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE E81

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-342	17 DEC 80	8 2	21.5													16.2	27.3
-343		8 8	9.0	.6	-6.0	-5.3	-3.0	-11.8								5.5	-1.0
-344		8 10	10.5	3.2	-3.6	2.5	-3.4	-12.0								6.2	-.5
-345		8 12	11.9	7.3	2.0		-1.4									12.9	9.1
-346		8 14	8.7	5.1	3.0		-4.4									12.3	7.0
-354		13 13	24.0	21.6	20.5	19.0	13.7									23.8	21.7
-355		13 17	24.2	23.2	22.8	20.1										22.6	24.4
-356		13 18	26.9	24.4	23.8	21.1										28.8	26.7
-357		13 20	25.8	23.6	22.8											26.8	27.5
-358		13 22	25.1	21.6	20.6											26.0	26.1
-359		13 23	25.8	22.6	20.5	18.6										26.1	24.5
AA-105-367	08 JAN 81	10 30	1.8	-2.6	-4.1	-6.2										5.2	-.4
-368		10 31	.8	-2.9	-1.5											8.0	3.0
-369		10 34	8.3	6.5												17.3	13.5
-370		10 35	5.9	3.2	2.9											12.6	8.0
-371		10 37	10.3	8.4												17.5	15.1
-372		10 39	9.5	7.4	3.6											15.5	10.3
-373		10 41	12.5	8.6												19.2	16.1
-374		10 43														29.8	35.4
-375		10 45	10.4	5.6	1.1											13.6	8.5
-376		10 46	12.2	7.0												19.9	15.3
-377		10 48	15.2	10.3												19.5	18.0
AA-105-388	09 JAN 81	14 9	16.0	12.6	9.8											19.6	16.7
-389		14 12	19.7	16.1												23.5	23.4
-390		14 14	14.1	11.2	8.3											17.9	15.2
AA-105-399	13 JAN 81	8 7	24.7	21.7												28.6	28.9
-400		8 11	22.8	20.4												26.8	26.8
-401		8 13	21.9	19.2												28.1	26.3
-402		8 14	24.0													29.6	31.9
-407		8 35	22.6	20.1												28.1	27.2
-408		8 37	23.0	20.1												27.3	27.4
-409		8 38	22.0	19.6												26.2	26.6
-413		13 7	25.1	23.4												32.8	30.2
-414		13 11	23.3	21.5												26.1	28.1
-415		13 14	23.7	22.3												27.5	28.8
-416		13 16	23.7	21.8												27.2	28.8
-417		13 18	24.6	22.4												26.3	29.3
AA-105-424	15 JAN 81	8 19	21.7	18.5	16.0											22.0	23.1
-425		8 21	20.7	16.2	14.4											21.7	21.2
-426		8 22	21.3	18.0	15.9											22.1	22.3
-427		8 23	20.1	16.3	14.2											21.4	21.1
-428		8 25	19.0	16.2	12.9	8.1										19.5	15.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE D82

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-441	04 FEB 81	8 22	8.2	9.2	8.5	9.0	13.0	15.4	24.0	26.1	30.7	32.9	28.1	21.6	18.0	14.5	36.3
-442		8 23		14.2	16.8	18.8	22.0	23.6	27.7	31.6	35.4	36.8	31.3	24.9	21.8	18.7	36.7
-443		8 27		9.3	10.5	12.8	16.7	19.2	25.3	29.6	33.0	34.9	30.2	23.5	20.3	16.6	32.7
-444		8 28		12.0	13.0	16.6	19.1	21.7	27.2	30.5	34.8	36.6	31.3	24.8	21.0	18.3	37.6
-445		8 30		11.3	11.2	12.0	16.7	20.3	26.9	30.2	33.6	37.1	32.1	25.5	21.7	18.4	37.6
AA-105-450	12 FEB 81	13 10	3.7		2.9	5.2				30.2	34.7	33.8	27.2	22.6	21.8	19.6	35.4
-452		13 29	5.6	5.3	3.9	6.2	14.5				36.7	36.2	30.8	25.4	24.5	22.4	27.3
-453		13 32	5.9	6.5	6.3	7.3	14.9							25.5	24.7	21.5	34.5
-454		13 48	4.3	6.0	5.4	7.9								24.5	24.3		38.5
AA-105-469	25 FEB 81	12 59	3.8	8.0	9.3	11.3	12.2	13.7	16.5	18.9	23.4	28.7	30.2	26.0	24.7	22.6	34.4
-470		13 1		5.5	4.7	5.7	8.5	10.2	12.2	16.5	23.7	30.6	31.0	25.9	24.3	20.9	34.4
-471		13 2	5.2	5.1	5.2	6.2	7.4	7.7	9.7	13.9	21.3	30.9	32.4	27.8	26.3	23.2	13.0
-472		13 4	5.8	6.3	5.1	5.9	7.1	7.7	10.7	16.7	23.6	30.4	32.6	27.6	25.9	22.8	33.5
-473		13 5		9.9	10.7	9.5	12.0	13.8	14.1	17.6	23.4			29.4	28.9	26.6	12.9
AA-105-479	27 FEB 81	7 15	-.4	-3.2	-5.8	-5.1	.4	4.2	13.6	26.8	25.7	31.5	27.7	15.7	13.0	13.7	34.4
-480		7 17	-.2	-3.1	-5.7	-5.0	.4	3.5	12.4	27.2	26.8	31.1	24.1	13.7	12.8	13.8	30.0
-481		7 18	-.5	-3.4	-5.9	-5.2	.3	3.7	12.2	28.7	27.5	31.6	28.1	14.6	14.3	15.5	34.4
-482		7 20	-1.1	-3.7	-6.1	-5.0	.6	4.0	12.1	27.6	27.9	31.3	28.2	16.0	14.7	15.8	34.4
-483		7 21	-1.1	-3.9	-6.6	-5.1	.2	3.7	11.8	26.8	26.7	30.9	28.9	15.5	15.7	16.3	33.5
-489		7 43	-1.2	-3.9	-6.4	-5.1	.2	2.2	9.0	17.9	21.4	26.4	22.8	16.1	16.0	11.1	33.5
-490		7 45	-2.4	-4.1	-6.6	-4.7	.3	3.0	11.2	24.9	23.0	26.4	23.2	15.2	13.7	12.5	34.4
ESA STATISTICS:																	
MINIMUM			-7.0	-7.1	-8.7	-7.5	-5.5	-9.0	-6.9	-5.1	-1.1	8.7	8.2	1.5	-1.3	-4.1	12.9
MAXIMUM			8.8	14.2	17.8	23.7	30.3	35.5	41.4	41.5	43.4	45.8	44.7	41.3	43.5	41.9	49.7
AVERAGE			1.5	3.2	3.7	5.3	8.0	10.8	17.2	23.0	28.5	31.8	28.6	22.9	21.3	18.6	31.7
STANDARD DEVIATION			4.2	5.2	6.7	7.5	7.4	6.9	7.6	8.9	8.9	7.3	7.4	8.2	8.9	9.1	4.9
NUMBER OF DATA POINTS			148	166	178	166	150	149	156	158	181	176	183	193	200	198	205

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2087 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2087 M

DATE 02 FEB 87
PAGE E82

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-441	04 FEB 81	8 22	12.9	11.5												18.6	17.3
-442		8 23	17.5													25.5	24.6
-443		8 27	14.2	11.3												20.2	18.0
-444		8 28	16.6	14.0												22.3	20.4
-445		8 30	16.3	14.3												21.9	20.5
AA-105-450	12 FEB 81	13 10	19.6	20.4												20.8	23.9
-452		13 29	22.0													21.5	27.8
-453		13 32	20.6	18.8												22.3	24.7
-454		13 48	19.9													23.3	28.1
AA-105-469	25 FEB 81	12 59	19.1	15.1	12.7	9.3	2.9	-8.3								11.6	5.5
-470		13 1	17.3	12.9	10.8	8.0	3.6									15.2	12.8
-471		13 2	19.5	16.0	13.5	10.8	5.9									14.9	15.1
-472		13 4	19.4	15.6	13.4	10.7										15.7	17.8
-473		13 5	24.1	19.1	16.8	13.8										19.7	20.9
AA-105-479	27 FEB 81	7 15	10.7	7.4	8.8	3.0	.6	-3.3								10.3	7.2
-480		7 17	10.6	9.1	8.6	2.7	.5	-3.0								10.2	7.3
-481		7 18	9.6	8.3	8.4	4.0	.6	-1.8								10.6	7.9
-482		7 20	11.1	7.8	8.5	4.5	.7	-3.3								10.5	7.4
-483		7 21	11.9	10.8	9.1	3.8	1.3	-3.3								10.8	7.7
-489		7 43	7.8	4.7	3.1	1.7	-2.7	-5.3								8.5	4.9
-490		7 45	7.6	3.9	1.9	.3	-3.4	-6.1								8.5	4.3
ESA STATISTICS:																	
MINIMUM			-7.2	-8.1	-10.8	-13.6	-14.9	-17.3	-19.6	-22.7						-4.4	-11.1
MAXIMUM			39.4	33.7	25.6	23.7	22.9	15.5	2.2	-14.1						44.4	47.8
AVERAGE			15.5	12.4	8.4	6.2	4.2	.2	-8.4	-18.4						16.7	15.1
STANDARD DEVIATION			9.3	8.9	8.3	7.7	7.8	7.5	7.1	6.1						9.0	10.7
NUMBER OF DATA POINTS			198	190	157	135	125	108	10	2						203	203

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE B03

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-044	23 JAN 80	11 54									28.7		29.3	22.2	16.4	13.8	27.7
AA-101-047	29 JAN 80	11 42															14.3
-049		13 27												24.8	20.4	17.9	90.0
AA-102-051		16 40	-.4	.4	1.7	3.3	3.2	6.9	10.6	14.2	19.0	22.7	23.8	18.7	14.6	9.2	26.1
AA-101-052	05 FEB 80	13 37		9.2	8.9	9.0	10.0	8.7	17.5					27.3	19.6	11.9	22.3
AA-101-054	13 FEB 80	11 26												29.4	29.0	29.7	33.5
-055		11 53												28.3	26.6	26.7	39.4
-056		12 4												26.3	24.2	26.7	36.7
AA-101-060	14 FEB 80	9 54		13.1	12.8	13.7	17.7	22.4								23.8	42.5
-061		11 3		14.9	16.3	17.0	19.4										26.0
AA-101-065	20 FEB 80	11 19		8.8	9.0	11.0	14.3	12.9	13.8	15.4	20.2				36.5	35.9	27.3
AA-102-067		13 11	-3.2	-4.2	-5.9	-7.0	-7.7	-7.7	-5.9	-3.3	4.3	13.2	16.3	17.5	21.1	20.5	29.5
AA-101-068	21 FEB 80	14 10	-3.4	-2.9	-4.5	-5.4	-5.1	-8.5	-6.0	-2.7	1.7	9.7	17.5	22.3	21.5	15.3	29.1
-069		14 13	-1.1	-.8	-1.7	-3.2	-4.7	-5.8	-4.9	-1.4	5.1	16.7	23.1		26.7	19.6	29.5
AA-102-070		14 33	1.4	6.7	12.4			17.2	19.6	22.0	25.0	26.3	26.2	25.0	23.2	23.6	26.9
AA-102-071	22 FEB 80	14 48		-8.2	-8.7	-7.8		2.7	9.0	10.7	19.2	21.8	21.2	12.5	6.6	2.0	21.9
-072		14 53		-10.3	-7.5	-7.4	-7.3	.7	6.6	8.5	13.2	21.5	22.3	12.1	3.1	-.3	30.8
AA-101-073	27 FEB 80	11 57															-1.5
AA-102-093	22 APR 80	14 10	-4.2	-5.9	-5.8	-5.1	1.5	5.1	12.6	17.9	18.2	17.7	15.8	6.3	-2.1	-2.7	22.3
AA-102-097	08 MAY 80	14 52	1.4	-.1	1.5	3.6	5.6	9.2	16.0	23.7	28.2		24.8	14.0	11.4	8.0	29.5
AA-102-100	09 MAY 80	14 34	-.5	-3.7	-2.6	-2.3	1.7	7.6	17.8		21.0			6.7	2.1	.3	29.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE E03

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-044	23 JAN 80	11 54	10.8	7.1	3.0											17.8	10.7
AA-101-047	29 JAN 80	11 42															
-049		13 27	15.3													24.4	21.4
AA-102-051		16 40	7.4	5.2	5.5	1.5										11.3	8.3
AA-101-052	05 FEB 80	13 37	8.3	3.9	3.3	1.8										13.9	8.6
AA-101-054	13 FEB 80	11 26	27.1													33.5	32.2
-055		11 53	25.0													32.3	30.5
-056		12 4	24.8													30.4	29.3
AA-101-060	14 FEB 80	9 54	20.8	16.0												23.6	24.1
-061		11 3														24.2	42.1
AA-101-065	20 FEB 80	11 19	33.7	27.7	24.0	21.5										20.0	28.5
AA-102-067		13 11	12.9	2.0	-3.3	-8.2	-8.8	-11.1								.1	1.2
AA-101-068	21 FEB 80	14 10	9.2	5.5	3.3	.2	-.5	-1.3								.0	4.7
-069		14 13	13.0	10.1	9.2	7.0	4.4									2.5	11.2
AA-102-070		14 33	22.4	19.2	16.8	13.4	11.2	8.3								21.4	18.4
AA-102-071	22 FEB 80	14 48	1.2	1.6	2.6	.3	-.8	-1.2								7.3	3.9
-072		14 53	-3.5	-3.3	-3.1	-3.4										4.7	2.0
AA-101-073	27 FEB 80	11 57															
AA-102-093	22 APR 80	14 10	-1.7	-1.1	-.4	-1.2	-4.7	-6.8								5.9	.0
AA-102-097	08 MAY 80	14 52	3.7	1.5	1.5	4.5	2.2	-5.9								9.6	3.4
AA-102-100	09 MAY 80	14 34	-.3	-2.5	-3.9	-4.4										6.0	.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE B04

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-102	09 SEP 80	7 17	-.6	-6.0	-4.4	2.2	2.9	3.0	7.3	16.0	20.2	16.6	6.0	1.1	2.1	2.8	32.6
-104		7 30	2.6	-.1	-5.7	-1.9	3.5	6.7	8.5	11.6	11.7	16.2	4.0	-2.8	-4.5	-1.9	33.5
-106		7 40	3.8	-4.5	-8.0	-2.5	2.1	3.1	3.9	11.0	15.6	17.0	6.0	-.9	-3.1	-3.0	39.3
-108		7 50	3.5	-3.1	-3.6	2.1	2.3	11.5	10.9	14.8	25.3	21.5	12.2	3.7	3.2	-.5	32.2
-110		8 1	-1.5	-4.3	-5.9	1.9	6.8	9.9	4.4	10.6	11.2	16.2	9.0	-3.9	-3.7	-3.7	39.3
-113		13 4	-.2	-1.0	-1.1	2.7	5.6	9.3	15.2	22.8	28.8		25.6	11.1	6.6	6.3	34.4
-115		13 16	1.1	2.1	1.3	3.6	6.4	10.7	19.5	21.7	26.9			11.8	9.6	8.9	35.8
-117		13 29	-1.1	-1.5	-2.0	.4	1.6	5.0	9.7	15.8	22.1	26.1	23.7	9.0	6.0	4.4	27.8
-119		13 47	.0	-.8	-.5	3.2	5.7	10.5	17.1	23.1	24.2		27.2	13.5	8.8	8.1	32.7
-121		14 3	.3	-.4	1.3	4.3	7.5	13.0	19.4	16.7	23.5	26.8	23.9	8.8	6.2	5.2	31.3
-123		14 13	-3.2	-3.2	-4.0	-.9	2.1	7.7	12.7	16.9	19.3	20.2	16.9	1.6	-1.2	-1.5	31.3
-124		15 18	-1.0								24.8	23.9	17.4	7.1	.9	-2.0	29.5
AA-104-126	10 SEP 80	7 4		9.2	10.5	13.6	15.6	18.2	22.0	28.2	34.4						30.4
-128		7 16					17.9	19.9	24.0	28.2	34.2						31.3
-130		7 28			10.5	13.9	16.0	18.3	20.7	27.3	34.8						31.7
-132		7 39			7.0	9.4		16.0									31.2
-134		7 50			8.6		13.4	19.1		23.4	28.9						30.3
-136		13 4	6.2	7.3	10.1	13.0	15.0	18.7	22.4	24.3		29.2	29.9	23.7	23.2	19.4	30.4
-138		13 14	6.7	8.0	9.3	12.9	17.0	18.4	17.8	19.5	21.0	24.2	24.8	18.5	19.0	17.1	30.4
-140		13 24	7.8	11.1	12.0	15.9	17.4	18.7	21.2	23.1		28.5	28.6	23.5	22.9	19.5	30.4
-142		13 36		7.1	8.3	12.6	16.6	16.5	19.2	22.2		28.4	28.3	24.1	23.6	19.8	28.2
-144		13 49		12.1	12.2	15.3	17.1	17.8	21.7	25.2			29.7		25.8	23.0	29.5
AA-104-157	16 SEP 80	13 42	.7	-.6	-1.5	1.2	5.2	7.3	9.9	16.6	26.0		25.7	11.9	9.8	5.1	31.3
-161		14 8	.8	.1	-1.4	1.2	4.7	7.9	11.8	19.5	27.2	31.1	26.2	11.1	10.7	9.8	29.1
-162		14 11	-.5	-1.4	-2.2	.7	4.0	6.9	9.6	16.1	22.2	27.1	26.2	11.9	9.5	6.1	29.9
-163		14 13	-3.9	-4.2	-4.2	.2	2.1	5.0	7.5	12.7	18.8	23.6	22.0	6.4	3.4	2.2	35.3
AA-108-146		7 28	-1.1	-.8	-1.4	.3	2.1	7.8	14.7	21.4	21.9	18.5	5.5	-.2	-1.9	-5.0	29.1
-148		7 40	.4	.3	-.2	.9	4.3	7.9	15.1	19.8	21.1	18.9	5.6	-1.7	-1.5	-1.6	31.3
-152		8 6	-3.4	-2.5	-2.8	.1	3.0	8.4	15.0	18.2	20.9	18.1	7.8	1.8	1.9	1.8	30.4
-154		8 21	-1.1	-1.3	-.3	.0	1.8	6.1	13.8	18.3	18.7	16.8	6.7	-1.3	-.4	-1.1	30.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE E84

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-102	09 SEP 80	7 17	.5	1.4	.8	.1	-3.1	-6.3	-4.7							4.9	.1
-104		7 30	-2.8	-4.8	-5.1	-4.8	-7.1	-13.1	-17.2	-22.1						-2.8	-11.2
-106		7 40	-3.5	-5.2	-4.7	-2.9	-4.7	-10.0	-12.1	-13.8						.9	-5.6
-108		7 50	1.2	-1.9	-.1	.3	-.5	-6.1	-7.7							6.5	.2
-110		8 1	-4.8	-5.0	-6.7	-6.8	-9.0	-12.1								2.0	-4.8
-113		13 4	6.6	4.9	3.3	2.8	1.1	-5.2								11.5	5.2
-115		13 16	6.4	5.3	5.7	5.0	.8	-3.5								12.9	6.4
-117		13 29	1.5	.1	-.8	.9	-.8	-7.0								8.3	2.4
-119		13 47	6.7	4.8	5.0	5.3	2.0	-2.9								12.5	6.8
-121		14 3	5.7	4.8	4.5	3.9	-.2	-4.5								11.5	4.8
-123		14 13	-3.1	-3.4	-2.8	-1.0	-4.7	-10.6								5.5	-1.2
-124		15 18	-3.6	-2.2	1.0	2.1										10.8	3.0
AA-104-126	10 SEP 80	7 4		22.3	20.4	20.6	18.8									24.9	25.5
-128		7 16														28.9	40.5
-130		7 28														25.7	38.8
-132		7 39														26.2	44.5
-134		7 50				17.4										25.3	28.2
-136		13 4	16.3	13.2	10.0	9.8	9.0	6.0								20.1	14.1
-138		13 14	13.3	10.5	7.4	7.1	6.2	3.0								16.7	10.5
-140		13 24	16.4	14.2	10.6	9.6										21.5	16.9
-142		13 36	16.7	13.7	11.0	11.7	11.1									20.6	16.1
-144		13 49	20.4	17.9	14.6											24.0	22.5
AA-104-157	16 SEP 80	13 42	3.6	3.2	3.4	5.1	3.2	.2								10.9	6.3
-161		14 8	7.0	6.7	5.4	6.3	5.3	1.6								12.0	8.6
-162		14 11	5.2	4.2	4.4	6.5	3.0	-.2								10.5	7.1
-163		14 13	1.2	2.3	3.1	2.9	-.5	-5.0								8.0	3.4
AA-108-146		7 28	-.3	-2.5	1.4	1.0	3.9	2.2								6.1	1.6
-148		7 40	-4.1	-6.9	-5.8	-6.2	-7.3	-3.3	-7.2							3.8	-4.2
-152		8 6	2.6	1.8	-1.4	-1.7	-3.6	-4.4	-5.0							5.0	-1.1
-154		8 21	-3.5	-5.4	-6.3	-8.0	-10.7	-12.2	-12.8	-13.1						-.8	-9.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE D85

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-167	17 SEP 80	7 27	-7.5	-6.3	-5.4	-4.5	-2.4	.1	1.3	4.8	9.1	16.8	21.0	8.6	4.8	-1.7	35.4
-168		7 30	-7.1	-6.9	-4.8	-.5	-1.3	.7	1.9	4.8	10.4	18.7	20.5	7.4	3.1	-2.2	32.2
-169		7 33	-6.6	-5.6	-5.0	-2.4	-.4	.5	2.6	7.0	11.0	18.8	23.4	10.9	5.7	-.6	29.5
-172		8 4	-6.6	-5.1	-4.6	-5.9	.8	4.0	6.3	9.1	12.9	15.2	13.5	4.2	-2.7	-5.6	33.5
-173		8 23	-6.0	-6.2	-3.4	-.4	1.3	5.3	10.3	11.9	15.9	19.9	17.2	6.0	-2.7	-3.5	39.3
-174		8 27	-7.4	-7.4	-3.4	-2.5	-3.8	.3	5.1	5.7	10.8	16.6	10.7	.6	-6.9	-7.7	32.6
-180		13 51															34.4
-181		14 2	6.7	11.0	11.9			19.0	24.2	27.7	31.0		34.0		28.3	23.9	30.4
-182		14 4	3.7	8.3	10.7	14.4	13.8	18.9	21.1	24.2	28.6		30.4	26.5	26.3	21.7	31.3
-183		14 6			11.4	14.3	15.0	18.5		25.1	28.6		32.0		26.7	22.0	33.1
-185		14 8								25.4	29.6		32.2		29.3	24.7	30.4
-186		14 13			10.7	13.2		21.0	20.9	25.9	29.0						31.7
-187		14 14	4.9	9.6	9.7	13.2	15.1	16.8	21.0	24.0	26.5	29.6			26.9	21.7	34.4
AA-104-190	19 SEP 80	7 12		12.3	14.5	17.2	18.8	20.9	27.0	35.4							30.4
-191		7 14		11.9	12.6	16.1	18.1	22.1	26.0	33.4							31.3
-211		13 16	7.7	8.8	8.4	9.8	12.9	13.8	16.3	22.3	29.8	32.5	31.9	29.2	27.4	23.8	29.5
-212		13 21	6.3	6.5	6.3	8.1	9.9	11.7	17.9	24.1	28.6	31.3	30.1	27.0	25.3	21.6	28.6
-213		13 35	8.2	9.4	8.4	10.7	14.3	17.5	21.6	26.7	30.1	34.3	32.5		23.8	24.1	31.3
AA-104-217	23 SEP 80	7 21		6.6	5.9	9.4	12.8	15.0	17.9	24.3	29.4		33.8	25.5	23.8	19.5	30.4
-218		7 23			9.4	13.3	15.5	18.4	22.9	27.8	32.3				25.7	21.9	23.7
-219		7 24		7.7	7.5	11.0	11.5	15.3	19.6	24.1	30.0				26.0	21.9	30.4
-222		7 41		7.4	7.5	10.4	13.9	16.6	20.8							23.0	29.1
-223		7 43	5.7	6.7		9.6	12.1			26.0	32.2				26.7	23.6	30.4
-224		7 46		7.9	7.5	10.5		14.2	21.3						26.2	23.5	30.0
AA-103-235	24 SEP 80	6 59	-7.7	-7.1	-7.2	-2.9	7.5	4.6	4.4	5.3	16.4	17.2	8.8	3.9	4.6	2.9	30.5
-236		7 1	-5.9	-4.5	-2.7	7.5	4.7	4.7	6.8	6.4	10.8	19.8	10.7	3.1	2.4	.2	30.5
-237		7 3	-5.9	-4.2	-3.0	4.9	9.7	5.5	6.0	6.5	12.7	21.8	14.8	6.4	5.8	2.2	32.3
-238		7 4	-5.9	-4.9	-3.8	4.8	9.8	6.0	7.1	6.9	12.5	20.6	11.8	2.3	.9	.3	31.4
-243		7 24	-6.8	-6.0	-6.6	-2.4	4.8	7.6	5.1	4.7	11.9	18.9	10.1	.5	1.8	-1.7	24.2
-244		7 26	-7.2	-6.5	-6.7	-2.8	4.9	5.2	4.3	2.0	7.8	18.4	10.6	-.7	-1.0	-.3	24.2
-245		7 27	-6.2	-5.6	-6.1	-2.6	3.4	4.9	9.8	10.0	15.0	21.7	15.7	8.2	8.2	5.5	24.2
-246		7 29	-7.1	-5.0	-3.1	6.6	5.5	3.6	5.7	6.1	10.9	18.0	10.2	2.4	3.0	1.5	22.4
-247		7 31	-5.5	-3.6	-.5	11.6	4.7	3.8	6.4	7.7	14.4	17.1	12.8	4.3	3.2	.0	25.6
-248		7 32	-7.1	-5.0	-3.2	5.3	7.8	9.4	13.9	16.5	21.7	23.5	16.6	8.1	7.3	3.9	31.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE E85

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-167	17 SEP 80	7 27	-5.2	-2.3	-1.5	-1.4	-3.0	-4.9								4.6	1.8
-168		7 30	-3.7	-1.1	-.7	-2.9	-4.3	-4.7								5.1	1.3
-169		7 33	-2.1	.2	1.4	.3	-1.6	-1.6								6.4	3.7
-172		8 4	-4.8	-5.0	-5.5	-6.4	-7.5	-6.4								2.5	-2.5
-173		8 23	-1.9	-.8	-3.2	-5.0	-4.7	-7.4								4.2	-1.4
-174		8 27	-5.7	-4.3	-7.0	-8.1	-8.7	-7.5								.9	-3.9
-180		13 51															
-181		14 2	20.5	17.8	15.2	14.7	13.7									24.5	20.1
-182		14 4	17.9	15.8	13.4	12.9	11.0	6.6								20.5	15.3
-183		14 6	18.7	16.3	14.0	13.6	11.6	6.9								21.8	16.0
-185		14 8	21.5	19.3	17.1	16.8	15.3	10.9								25.4	19.4
-186		14 13	17.9	15.3	12.4	12.6	11.8									22.7	17.5
-187		14 14	18.1	14.9	11.9	12.0	11.0	8.2								20.4	14.7
AA-104-190	19 SEP 80	7 12														29.7	44.1
-191		7 14														29.2	43.3
-211		13 16	20.9	18.2	15.3	15.9	15.6	13.1								20.5	19.7
-212		13 21	18.7	15.2	12.3	12.3	11.3	8.7								19.1	16.6
-213		13 35	20.2	17.8	15.2	15.3	15.4	12.7								22.6	19.7
AA-104-217	23 SEP 80	7 21	17.4	15.0	12.6	12.3	9.9	4.6								18.8	14.0
-218		7 23	19.7	17.5	15.2	15.5	13.4									23.3	19.7
-219		7 24	19.4	16.6	14.0	14.1	11.9									20.7	18.6
-222		7 41	20.9	18.5	16.5	16.2	13.6	9.2								21.6	17.7
-223		7 43	21.3	18.8	16.8	16.7	13.8									23.1	20.1
-224		7 46	21.9	18.9	16.5	16.8	14.6	10.4								21.9	18.4
AA-103-235	24 SEP 80	6 59	1.3	1.2	-1.2	-3.4	-4.2	-7.0								4.5	1.3
-236		7 1	-2.5	-2.2	-2.6	-4.7	-6.2	-8.5								3.5	-.8
-237		7 3	.3	.7	-1.2	-3.6	-5.2	-7.7								5.2	.9
-238		7 4	-2.7	-1.4	-1.9	-6.5	-7.7	-11.4								2.7	-2.2
-243		7 24	-3.1	-3.5	-2.5	-5.0	-8.8	-10.7								1.4	-2.7
-244		7 26	-1.7	-1.1	-2.6	-4.8	-6.9	-10.2								1.3	-1.9
-245		7 27	.7	-1.3	-1.4	-.3	-4.1	-6.2								5.2	1.3
-246		7 29	-1.4	-1.7	-1.5	-3.8	-6.6	-9.2								3.7	-.5
-247		7 31	-2.3	-.9	-3.8	-4.3	-6.8	-10.2								3.5	-1.3
-248		7 32	-.8	-.1	-3.1	-2.2	-3.5	-7.6								5.9	.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE D86

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-239	24 SEP 80	7 12	9.5	12.1	11.2	13.3	16.2	19.5	25.2	31.0							31.4
-240		7 13	10.6	10.7	9.4	13.2	16.0	20.4	26.8								31.3
-241		7 15	10.4	10.8	10.2	12.9	15.1	19.2	28.0	35.8					32.9		30.0
-242		7 16		10.9	11.3	14.8	17.5	21.3	29.3						32.0		31.3
-249		7 39		10.1	9.0	13.0	14.3	17.6	21.2	29.8	37.6				29.5	27.2	30.4
-250		7 40	9.0	9.1	7.9	10.2	13.0	15.4	20.1	30.7	37.2				30.2	27.7	32.2
-251		7 42	7.4	7.8	6.8	10.5	14.0	17.4	24.4	32.0					29.1	27.8	32.2
-252		7 43	8.4	9.3	9.2	13.9	14.3	17.5	22.1						30.3	28.5	33.1
-253		7 45	7.1	8.6	7.7	11.9	15.5	20.0	21.7								31.3
-254		7 46		11.1	10.1	13.3		22.2								28.9	31.3
-255		7 48	7.4	9.5	9.3	11.7	14.1	18.0	22.4						26.8	25.0	45.6
-256		7 49	7.8	9.2	8.8	12.3	15.2	19.5							29.3	27.4	35.2
-262		15 17	4.2	7.2	6.3	10.7	11.6	16.0	18.6	21.9	28.6	31.2	29.4	21.4	18.5	15.2	32.2
-263		15 18	2.5	3.5	2.9	5.3	5.9	10.3	18.2	18.7	21.8	26.7	26.9	17.9	14.0	11.3	32.2
-264		15 24	4.7	4.3	2.3	4.2	3.7	7.5	11.7	18.1	23.7	26.6	25.9	17.6	16.4	13.5	21.9
-265		15 26	2.0	2.2	1.0	3.0	3.6	5.9	8.9	14.3	18.5	25.6	29.2	19.3	12.1	9.9	32.2
-266		15 28	.9	.9	-.3	2.0	2.1	6.4	10.1	14.2	18.3	26.0	29.7	19.1	14.7	10.6	33.5
AA-104-272	25 SEP 80	7 30	-2.1	-3.8	-5.9	-4.1	-2.4	1.6	7.6	13.7	14.7	16.9	15.7	2.7	-3.2	-8.0	35.3
-273		7 32	-.7	-2.6	-5.3	-3.1	-.4	5.6	10.8	22.1	22.8	22.0	21.7	10.5	5.8	1.9	31.3
-274		7 34	-1.2	-3.5	-5.7	-3.3	.0	4.3	9.3	16.2	25.5	26.3	26.1	16.6	8.8	6.1	32.2
-275		7 36	-1.7	-3.2	-6.0	-3.9	-1.0	2.9	7.4	14.3	20.8	25.3	22.7	12.0	8.6	3.9	36.2
-276		7 38	.2	-2.9	-5.7	-3.7	-.6	2.5	6.4	13.1	19.7	23.7	23.6	15.2	11.6	8.6	30.4
-279		8 0	5.0	-.9	-4.5	-1.4	4.9	5.2	11.8	14.6	25.8	31.5	27.4	15.7	11.4	9.1	32.2
-280		8 2	4.0	-1.0	-3.8	.8	7.2	5.5	14.3	16.3	21.0	26.4	25.5	17.0	13.0	10.9	40.3
AA-104-286	30 SEP 80	14 30	4.3	6.0	6.2	9.2	12.5	16.4	19.7	21.1	23.9	25.3	24.3	16.5	10.2	8.7	31.3
-287		14 31	1.0	3.2	4.5	7.6	13.7	17.3	20.2	24.2	26.7	28.1	25.4	15.7	11.1	10.6	31.3
-288		14 33	3.1	5.1	6.6		13.3	16.3	20.6	24.7	28.2		28.0	18.1	13.4	13.0	24.6
-289		14 34	4.4	7.1	5.1		11.6	14.5	18.8	22.5	26.5	28.5	27.4	17.3	12.2	12.4	30.4
-290		14 37	3.3	4.6	4.6		7.2	12.6	16.5	22.4	25.6			16.8	12.0	11.6	31.8
-296		15 13	2.3	4.8	5.2	8.1	10.8	13.3	18.6	21.5	25.7	27.9	26.4	15.6	11.6	11.4	31.3
-297		15 25	3.3	5.7	5.0	6.8	9.9	13.7	19.6	24.1	28.9	30.5	28.0	17.2	12.9	12.4	31.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE E86

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-239	24 SEP 80	7 12														25.4	41.0
-240		7 13														25.7	43.4
-241		7 15														25.5	41.1
-242		7 16														27.4	42.3
-249		7 39	25.9	23.8	22.1											23.4	29.3
-250		7 40	26.2	23.9	21.7	22.2	20.0	16.0								21.6	23.5
-251		7 42	26.4	24.0												22.9	31.9
-252		7 43	26.8													24.0	34.2
-253		7 45														24.1	40.7
-254		7 46														28.1	40.1
-255		7 48	23.3	21.0	18.5	19.2	15.5	8.9								22.4	18.7
-256		7 49	25.7	23.6		22.8										25.0	29.2
-262		15 17	12.6	10.1	8.2	8.2	6.8	3.3								17.0	11.0
-263		15 18	7.7	5.6	2.7	2.7	.6	-3.7								12.0	5.2
-264		15 24	11.8	10.1	7.7	7.4	5.2	1.4								10.7	8.6
-265		15 26	7.8	6.4	3.3	2.4	1.8	-.5								10.3	6.9
-266		15 28	7.3	3.8	1.1	.9	-.6	-4.4	-6.2							9.0	2.8
AA-104-272	25 SEP 80	7 30	-9.5	-10.3	-10.1	-6.5	-5.9	-15.9	-18.0	-20.4						-2.4	-10.8
-273		7 32	.6	-.8	-2.0	-1.4	-3.3	-5.3								6.6	1.0
-274		7 34	4.4	3.0	1.5	1.9	-.2	-5.3								7.7	3.5
-275		7 36	2.6	2.9	2.3	1.2	-1.0	-5.3	-8.5							6.3	1.2
-276		7 38	5.2	2.0	2.2	.7	-1.4	-4.7								6.9	3.1
-279		8 0	9.7	10.0	8.8	9.1	6.5	2.5								10.7	9.7
-280		8 2	8.8	7.9	8.4	10.6	7.6	3.6								11.7	10.3
AA-104-286	30 SEP 80	14 30	7.5	5.6	3.5	4.0	2.5	-.7								14.6	6.7
-287		14 31	7.6	5.2	3.3	3.5	1.4	-2.8								14.9	6.4
-288		14 33	11.1	8.5	5.8	5.9	4.3	.8								17.0	9.2
-289		14 34	10.8	8.6	6.6	6.5	3.8	-2.0								15.2	7.7
-290		14 37	9.3	6.0	3.2	2.7	1.0	-1.7								14.5	6.8
-296		15 13	8.6	5.9	3.9	3.8	1.8	-2.3								13.4	5.9
-297		15 25	10.7	8.9	7.2	7.0	5.2	1.3								16.3	9.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE D87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-304	01 OCT 80	7 17	-5.3	-12.6	-12.2	-2.5	-5.3	-4.5	-4.8	.5	5.2	3.4	-7.4	-13.7	-14.4	-12.1	31.4
-305		7 19	-3.2	-11.7	-11.8	-1.9	-3.4	-3.4	1.2	3.2	7.3	6.7	-4.3	-12.0	-12.3	-11.7	24.2
-306		7 21	-3.8	-11.9	-13.1	-4.0	-5.2	-4.9	-2.4	1.3	7.7	3.9	-7.5	-12.6	-12.7	-11.4	31.4
-307		7 22	-2.7	-11.5	-13.6	-4.5	-6.1	-6.3	-2.5	.3	6.4	3.0	-8.1	-13.2	-13.5	-10.1	17.4
-308		7 24	-2.3	-11.6	-13.1	-4.3	-4.8	-4.5	-1.3	1.9	10.5	6.5	-5.5	-13.5	-14.0	-10.2	31.4
-314		7 44	-8.8	-10.9	-5.6	-5.0	.9	.5	6.4	13.1	15.9	14.6	3.0	-7.4	-9.1	-8.0	31.4
-315		7 46	-9.8	-11.2	-5.9	-6.7	-1.7	-.5	5.2	10.0	13.1	12.3	2.3	-5.2	-6.5	-4.7	31.4
-316		7 47	-10.2	-11.0	-5.9	-8.9	-2.7	-3.0	1.7	7.7	10.7	9.5	-1.3	-10.6	-14.0	-12.9	31.4
-317		7 49	-9.4	-11.6	-6.2	-7.1	-1.5	-2.1	.7	3.3	7.7	7.6	-2.5	-11.1	-13.1	-14.1	31.4
-318		7 50	-7.3	-11.7	-9.3	-4.4	-3.0	1.0	4.6	6.1	10.2	11.6	1.5	-6.6	-9.1	-10.6	32.3
-324		8 15	-8.8	-11.6	-7.3	-6.9	-3.5	-3.5	2.6	7.0	11.2	8.2	-3.8	-11.4	-14.7	-15.4	33.1
-325		8 17	-10.3	-11.0	-5.6	-6.8	.1	2.3	2.6	3.9	5.8	6.8	-.4	-10.8	-12.3	-11.6	33.1
-326		8 18	-9.9	-10.9	-6.3	-7.5	-2.2	-.1	1.6	3.5	7.8	7.7	.1	-9.8	-12.2	-13.0	32.2
-327		8 20	-7.2	-10.8	-8.7	-3.2	-2.8	3.2	2.3	5.8	13.5	12.1	4.8	-5.5	-8.7	-10.0	18.8
-328		8 22	-2.2	-8.4	-7.9	-2.3	.3	2.5	9.8	10.4	14.9	13.4	5.0	-5.2	-8.2	-7.5	31.3
-329		8 24	-2.5	-7.9	-7.3	-2.9	-.8	3.2	8.5	8.9	15.7	16.5	8.8	-1.2	-3.3	-4.8	33.6
AA-106-336	16 DEC 80	7 51			15.3		18.8			27.7	29.9	32.8	29.4	27.4	25.6	20.7	29.8
-337		7 53		9.0	10.7	12.3		17.1	18.5	23.0							40.3
-338		7 56		9.2	12.9	12.0	12.9	16.1	18.9	23.2							37.1
-339		8 7			15.4		17.7			30.0					29.8	25.4	32.2
-340		8 9		10.3	12.0	11.4		17.8	22.3	26.0					29.0	23.7	35.3
-341		8 11		14.7	15.8	18.5		21.7	22.6	28.1	31.3				29.2	24.5	34.4
AA-106-360	17 DEC 80	13 42	-.1	-1.2	-1.9	-1.7	.6	1.8	8.4	17.6	25.0	31.4	28.8	19.3	13.9	8.1	33.5
-361		13 45	-1.7	-2.2	-2.4	-2.8	-.5	.7	7.0	15.4	22.8	28.4	27.1	16.7	10.1	4.5	34.4
-362		13 50	-.8	-1.9	-3.0	-2.9	.2	2.2	10.1	18.8	20.1	27.7	29.4	19.8	14.4	8.4	32.2
-363		13 54	-3.9	-6.3	-6.4	-6.1	-1.9	2.6	10.9	16.9	20.1	25.0	21.3	13.9	9.5	2.9	29.5
-364		13 57	-2.1	-3.5	-4.7	-4.0	-.4	2.4	8.8	14.5	18.4	25.1	23.5	12.0	6.2	.4	34.4
-365		14 1	-1.9	-2.8	-3.6	-3.5	-.1	2.3	11.1	18.5	21.9	29.2	28.5	19.9	13.2	8.3	34.4
-366		14 6	-1.7	-2.8	-3.4	-3.0	-.3	2.5	10.1	17.6	23.3	31.2	29.8	20.1	12.4	6.4	33.4
AA-106-391	09 JAN 81	14 38	-4.1	-1.9	7.2	10.4			22.3		22.8	15.7	12.6	8.2	4.4	1.0	16.5
-392		14 42	-1.4	2.2	10.4	10.9			26.5	30.0	25.4	16.6	9.5	5.8	2.6	-2.0	37.1
-393		14 44	-3.6	-.8	8.4	11.5		19.9	27.0	27.9	23.9	16.6	9.4	5.0	1.3	-2.8	44.0
-394		14 45	-3.0	-.7	8.4	12.1		21.1		30.8	27.0	21.4	13.7	10.6	6.4	2.3	37.5
-395		14 47	-3.3	.0	9.2	12.7			22.6	30.6	25.7	18.1	9.3	5.5	2.8	-1.4	35.4
-396		14 49	-3.7	-.9	7.8				23.3		25.3	19.4	13.7	10.0	4.8	.9	36.3
-397		14 50	-2.6	.1	7.1						26.0	19.4	12.0	7.6	3.3	-2.5	38.5
-398		14 52	-2.7	1.0	9.8						24.2	16.8	8.7	5.5	2.2	-1.5	36.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE E87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-304	01 OCT 80	7 17	-10.1	-12.8	-13.2	-14.7	-17.8	-19.2	-21.8	-30.2						-11.7	-19.6
-305		7 19	-10.0	-10.3	-10.4	-14.1	-14.6	-16.7	-18.5							-5.7	-12.3
-306		7 21	-9.4	-10.4	-9.6	-12.1	-13.5	-14.9	-15.6	-19.3						-6.0	-12.2
-307		7 22	-9.1	-10.8	-10.0	-11.8	-14.0	-15.9	-16.3							-5.8	-11.1
-308		7 24	-8.6	-11.0	-10.5	-11.1	-14.0	-17.6	-20.6							-6.1	-12.4
-314		7 44	-6.7	-7.9	-6.7	-5.6	-7.5	-10.4	-10.4							-.7	-6.4
-315		7 46	-5.0	-6.1	-6.4	-5.5	-7.1	-9.2								.2	-4.5
-316		7 47	-10.5	-11.3	-10.9	-8.2	-11.5	-16.0	-18.2							-4.5	-11.1
-317		7 49	-11.7	-11.2	-10.2	-7.6	-10.5	-15.5	-14.3							-4.8	-10.2
-318		7 50	-10.6	-12.5	-11.5	-7.5	-10.7	-15.8	-15.7							-3.6	-10.1
-324		8 15	-15.5	-15.9	-16.6	-15.0	-16.7	-21.7	-21.1	-22.5						-8.7	-16.2
-325		8 17	-14.2	-14.6	-15.0	-14.1	-16.9	-19.9	-18.1	-18.5						-6.8	-14.4
-326		8 18	-12.9	-14.4	-15.2	-15.3	-15.6	-17.9	-19.3							-6.2	-13.6
-327		8 20	-9.1	-9.0	-11.9	-13.5	-13.7	-16.1	-15.4	-17.3						-4.0	-11.6
-328		8 22	-5.7	-6.6	-10.5	-8.9	-10.4	-12.7	-12.6							-.8	-7.8
-329		8 24	-3.4	-5.1	-7.2	-6.9	-9.3	-13.0	-12.1							.9	-6.2
AA-106-336	16 DEC 80	7 51	19.6	16.3	14.5	12.0	5.3	-4.5								15.6	6.9
-337		7 53														24.1	36.5
-338		7 56														23.3	36.5
-339		8 7	23.0													31.0	31.9
-340		8 9	21.6	18.5	17.0	14.8	9.7									23.2	18.5
-341		8 11	22.7	20.0	18.5	15.2	10.0									24.7	19.1
AA-106-360	17 DEC 80	13 42	6.2	3.1	2.8	2.8										10.0	8.3
-361		13 45	2.1	-1.1	-.8	.5	-.4									8.0	4.1
-362		13 50	5.4	3.2	2.1	1.6										9.8	7.5
-363		13 54	1.3	-1.4	-2.9											7.4	5.3
-364		13 57	-.9	-3.0	-2.6											7.5	3.6
-365		14 1	6.3	3.6	3.6	4.4										9.6	9.2
-366		14 6	3.7	3.3	3.1	5.0										9.5	8.8
AA-106-391	09 JAN 81	14 38	-2.8	-4.9	-6.2	-5.3										1.3	-2.3
-392		14 42	-7.0	-7.6	-8.4	-8.2	-12.5									-3.0	-7.3
-393		14 44	-6.9	-8.0	-9.8	-9.4	-13.7									-4.0	-8.3
-394		14 45	-2.3	-4.0	-5.4	-5.7	-11.5									-.7	-5.2
-395		14 47	-5.0	-6.7	-8.1	-7.7	-12.8									-2.4	-6.9
-396		14 49	-2.9	-3.6	-6.0	-6.5	-13.3									-1.9	-6.3
-397		14 50	-6.9	-9.5	-9.4	-9.7	-15.1									-4.6	-9.0
-398		14 52	-5.7	-7.7	-8.2	-8.3										-1.1	-4.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE D88

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-403	13 JAN 81	8 23	-3.7	2.4	6.5	10.5	16.5	21.8	24.8	20.8	15.2	8.6	1.9	-.1	-2.8	-3.7	35.3
-405		8 26	-5.6		7.1	11.0	15.6	18.6	20.5	16.9	12.3	8.5	.3	-1.2	-4.7	-8.0	36.2
-406		8 27	-5.2		7.1	10.4	16.1	21.0	21.7	16.6	10.8	4.1	-.6	-4.4	-7.4	-10.8	34.4
-410		8 45	-6.9								9.9	4.4	-.3	-4.2	-7.8	-10.2	23.2
-411		8 47	-4.6	1.7	6.2	9.6	15.7	21.1	20.6	20.0	15.9	9.5	3.5	.4	-2.8	-5.4	36.2
-412		8 50	-6.1	.8	5.7	10.7		19.5	18.9	15.7	10.4	4.8	.3	-3.8	-6.1	-8.0	30.9
-418		13 31	-.8	2.7	10.5	12.8					23.8	16.9	9.7	4.2	1.4	1.2	33.1
-419		13 35	-2.2	1.1	9.5	12.9	18.5	24.0	27.7	27.0	25.5	20.3	14.6	10.2	6.9	2.6	32.2
-420		13 37	.5	2.5	10.7	14.5			28.2		23.9	18.9	12.8	9.7	6.6	2.6	8.9
-421		13 39	-1.9	1.9	10.6	13.1			28.3	26.5	23.5	16.7	9.8	5.4	3.2	2.1	34.0
-422		13 40	-.8	2.9	10.7	13.5		26.4	29.6	26.6	23.9	18.1	11.1	2.8	-.5	-1.6	35.3
-423		13 42	-1.5	2.0	9.2	11.4					26.9		15.0	10.6	7.6	3.1	30.0
AA-106-429	15 JAN 81	8 33	-1.9	-1.1	7.8	16.9							25.6	22.8	19.1	16.4	35.3
-430		8 34	-2.0	-1.4	7.4	16.0	21.2						25.2	22.9	21.0	19.4	34.4
-431		8 36	-1.9	-.7	8.6	17.5			34.1				24.3	22.8	20.4	17.5	35.3
-432		8 37	-2.5	-1.7	7.7								24.8	22.4	20.9	18.5	34.4
-433		8 39	-1.8	-.9	8.7				20.3					18.8	18.7	17.1	35.3
AA-106-438	03 FEB 81	9 38	-6.3	-6.9	-3.4	-.4	4.6	7.4	9.9	14.6	19.1	16.0	3.9	-6.4	-6.6	-7.7	35.3
-439		9 43	-5.2	-6.6	-4.0	-.5	9.0	11.3	15.3	20.3	22.8	18.8	5.0	-2.7	-2.7	-3.8	35.3
-440		9 48	-3.8	-4.4	-.9	5.6	7.7	10.7	16.0	20.0	21.4	17.8	4.6	-4.8	-4.2	-5.5	19.7
AA-106-446	04 FEB 81	8 38	-7.5	-8.8	-6.5	-.2	8.2	9.2	14.9	16.6	18.5	13.8	2.2	-7.2	-8.6	-10.8	37.1
-447		8 40	-4.8	-6.4	-3.5	2.3	8.8	13.5	17.9	21.2	24.8	20.6	4.7	-3.8	-5.7	-7.4	39.2
-448		8 41	-4.8	-6.9	-5.4	.4	12.3	15.3	18.0	19.4	22.4	17.9	3.0	-4.2	-6.7	-9.4	38.5
-449		8 43	-6.4	-8.6	-6.9	-2.2	5.3	8.6	13.1	18.5	21.7	16.0	1.9	-7.5	-9.6	-11.2	37.6
AA-106-455	12 FEB 81	13 56	-2.4	-4.7	-4.5	-1.5	9.1	11.6	19.2		28.7	25.8	16.8	6.4	4.3	1.3	34.4
-456		13 58	1.3	-1.7	-1.6	1.1		14.8	24.2		32.4		21.6	13.4	12.6	10.9	35.3
-457		14 1	-3.6	-5.2	-5.0	-1.3	8.8	12.7	21.4	23.9				7.1	6.2	2.2	34.4
-458		14 6	-1.2	-3.9	-3.2	-1.0	11.0	14.0								5.9	33.1
AA-106-464	25 FEB 81	8 33	5.8	7.2	5.7	6.7	8.7	7.9	13.3	18.9	26.5	31.3		28.1	25.7	20.9	31.3
-465		8 34		6.7	7.2	7.7	10.7	10.6	16.3	20.5	27.0			28.5	26.6	21.9	34.0
-466		8 36	5.5	5.9	5.7	6.0	8.9	7.3	13.2	19.1	28.0	31.8			26.4	21.7	34.0
-467		8 37		6.3	7.8	9.6	12.3	11.6	16.7	22.5	28.4				27.1	22.4	34.4
-468		8 39		5.3	6.1	7.0	8.9	7.9	12.6	18.0	25.1	30.3	31.2	28.3	26.7	22.2	33.5
-474		13 16	6.5	6.9	5.4	5.4	8.1	6.7	10.8	17.3	23.2	28.8	27.0	24.2	23.3	20.6	35.3
-475		13 18	2.8	1.6	1.6	3.8	7.6	6.9	12.4	16.4	21.5	26.6	25.6	23.3	22.7	19.6	33.5
-476		13 19	3.2	2.8	1.8	2.8	5.0	2.9	5.6	11.4	17.4	25.0	24.7	21.3	20.9	17.5	34.4
-477		13 26	3.5	3.3	3.0	4.3	6.7	7.2	13.1	15.9	19.9	24.3	23.4	19.9	19.4	15.7	35.3
-478		13 29	6.2	6.5	6.0	6.8	9.5	8.7	12.5	17.4	23.2	27.8	26.2	23.3	22.8	19.8	35.3

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-OB1

PARAMETERS:
ALL DATA LISTED

DATABASE:
DISTANCE 2273 M

DATE 02 FEB 87
PAGE E88

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-403	13 JAN 81	8 23	-4.9	-7.8	-8.9	-8.5										1.1	-4.4
-405		8 26	-10.1	-13.2	-13.9	-14.1	-20.7									-7.5	-14.1
-406		8 27	-12.8	-15.0	-15.8	-15.1	-23.0	-37.4								-19.9	-27.4
-410		8 45	-11.3	-14.1	-15.5	-15.5										-5.7	-11.2
-411		8 47	-6.9	-7.8	-9.6	-9.5	-16.8									-4.0	-10.1
-412		8 50	-9.9	-11.5	-11.9	-11.4	-18.5									-5.7	-11.9
-418		13 31	-2.4	-5.6	-5.5	-5.5	-11.5									.0	-4.9
-419		13 35	-.2	-1.9	-3.5	-3.2										5.2	.8
-420		13 37	1.5	-2.4	-6.5	-7.2										3.1	-1.8
-421		13 39	.2	.3	-2.2	-1.3										6.7	2.4
-422		13 40	-3.5	-7.1	-7.9	-6.5										1.8	-2.9
-423		13 42	.5	-1.3	-3.7	-4.8										5.7	.8
AA-106-429	15 JAN 81	8 33	12.1	8.7	4.2	.3	-5.8	-14.6								.3	-4.1
-430		8 34	14.4	11.4	7.8	4.1	-2.6	-13.3								2.1	-2.3
-431		8 36	12.4	9.0	5.2	.2	-8.1	-16.9								-1.8	-6.2
-432		8 37	14.2	11.2	8.0	4.2	-3.1	-12.8								2.5	-1.8
-433		8 39	13.8	10.9	6.6	1.2	-7.6	-16.2								-.9	-5.4
AA-106-436	03 FEB 81	9 38	-7.9	-3.5	2.1	5.6										1.3	-2.3
-439		9 43	-3.5	-.8	4.9											5.3	1.9
-440		9 48	-6.7	-4.9	.0											3.3	-1.2
AA-106-446	04 FEB 81	8 38	-11.8	-10.5	-9.4	-6.7										-2.0	-7.1
-447		8 40	-8.6	-7.2	-5.6	-1.9										1.1	-3.6
-448		8 41	-9.9	-9.4	-7.7	-4.4										-.7	-5.4
-449		8 43	-11.4	-10.0	-7.8											-1.6	-6.2
AA-106-455	12 FEB 81	13 56	-1.0	-2.5	-2.9											8.1	3.6
-456		13 58	9.5	7.2	3.7											13.1	10.8
-457		14 1	-.6	-2.8	-4.1											8.1	2.9
-458		14 6		.8												11.5	10.5
AA-106-464	25 FEB 81	8 33	16.6	11.6	7.9	5.8	-1.2	-10.9								9.4	1.2
-465		8 34	16.6	11.3	7.7	6.2	.1									15.9	9.6
-466		8 36	16.5	11.4	8.0	5.7	-.3	-9.2								10.8	2.8
-467		8 37	17.4	12.8	9.6	8.0	2.0	-8.3								12.2	3.9
-468		8 39	17.3	12.6	8.8	6.4	.2	-8.8								10.5	3.2
-474		13 16	17.1	13.4	10.6	10.0	6.8	.1								14.4	11.3
-475		13 18	15.2	10.7	8.0	6.8	3.0	-2.7								13.1	8.1
-476		13 19	13.3	8.9	5.5	4.1	-.4	-7.4								9.2	4.1
-477		13 26	11.8	7.5	4.0	2.4	-.6	-5.1								11.8	8.8
-478		13 29	16.7	12.8	9.9	9.0	5.9	.6								15.1	11.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2273 M

DATE 02 FEB 87
PAGE D89

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-485	27 FEB 81	7 29	2.1	1.0	.1	.0	2.3	2.0	9.0	17.2	23.8	34.1	37.5	28.2		20.0	33.1
-486		7 31	2.5	1.4	-.2	-.7	1.4	.9	9.0	17.8	26.3		37.3	27.5	21.5	15.1	34.4
-487		7 32	2.0	.5	-.9	-1.5	.9	1.1	8.3	17.0	23.4	33.7	36.6	27.0	20.4	12.5	34.9
-488		7 34	2.8	1.0	.0	-.6	1.6	1.1	8.0	15.5	22.4	32.9	38.1	28.3	21.9	16.8	34.4
-491		7 51		8.1	9.6			16.8	21.8	26.5	30.7		37.1		27.6	25.9	29.9
-492		7 53		9.2	9.7			14.6	19.2	26.6	31.7		36.8		26.9	25.2	36.2
ESA STATISTICS:																	
MINIMUM			-10.3	-12.6	-13.6	-8.9	-7.7	-8.5	-6.0	-3.3	1.7	3.0	-8.1	-13.7	-14.7	-15.4	-1.5
MAXIMUM			10.6	14.9	16.3	18.5	21.2	26.4	34.1	35.8	37.6	34.3	38.1	29.4	36.5	35.9	45.6
AVERAGE			-.9	.5	2.2	4.6	6.9	9.8	14.1	17.6	21.1	20.5	17.4	9.8	10.2	7.8	31.6
STANDARD DEVIATION			4.9	6.8	7.2	7.2	7.1	7.8	8.2	8.4	7.6	7.8	11.6	11.7	13.1	12.2	5.4
NUMBER OF DATA POINTS			152	175	184	170	155	167	167	158	157	127	145	149	175	178	197

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2273 METERS

PARAMETERS:
ALL DATA LISTED

DATABASE:

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

DISTANCE 2273 M

DATE 02 FEB 87
PAGE E89

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-485	27 FEB 81	7 29	14.0	6.2	-.7	-2.8	-2.2	-5.8								8.8	2.6
-486		7 31	6.2	-1.1	-6.0	-8.4	-8.6	-9.5								4.8	-2.4
-487		7 32	4.1	-3.6	-8.0	-10.7	-11.6	-12.9								3.4	-5.0
-488		7 34	11.0	5.3	1.1	-2.9	-4.6	-7.7								7.4	1.7
-491		7 51		19.4	16.9	14.2										23.5	21.9
-492		7 53	18.9	18.3	16.5	15.1										22.8	21.2
ESA STATISTICS:																	
MINIMUM			-15.5	-15.9	-16.6	-15.5	-23.0	-37.4	-21.8	-30.2						-19.9	-27.4
MAXIMUM			33.7	27.7	24.0	22.8	20.0	16.0	-4.7	-13.0						33.5	44.5
AVERAGE			5.5	3.2	1.6	1.3	-1.5	-5.6	-14.0	-19.6						10.1	7.2
STANDARD DEVIATION			11.2	10.0	9.0	9.0	9.3	8.6	5.2	5.2						10.6	14.6
NUMBER OF DATA POINTS			176	173	169	160	132	110	25	9						194	194

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D90

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-101-039	12 DEC 79	11 18	10.4	7.9	6.6	5.4	7.8	10.5	15.0	19.1							29.5
-040		13 10		6.8	4.8	5.1	8.6	13.3	16.9					24.7	21.1	15.3	29.5
AA-102-051	29 JAN 80	16 40		.0	1.1	1.8	1.7	5.1	9.3	13.1	16.8	21.1	23.1	16.4	14.0	8.3	23.2
AA-101-052	05 FEB 80	13 37			5.7	4.0	7.0	5.8	14.1	24.7		30.0		28.5	23.0	15.0	29.4
AA-101-054	13 FEB 80	11 26															24.6
AA-102-058		14 51	-.2	-3.1	-2.2	.7	6.8	11.8	20.3				16.4	10.9	6.5	5.4	28.6
-059		15 15	-5.2	-7.4	-7.2	-3.8	1.9	4.9	12.5	20.8	25.9	26.1	19.7	9.6	1.5	-4.6	37.2
AA-101-060	14 FEB 80	9 54		8.5	6.2	5.5	10.2	15.3								22.7	39.8
AA-102-067	20 FEB 80	13 11	-4.8	-6.3	-7.3	-8.8	-10.2	-10.4	-8.7	-4.2	6.3	11.9	16.4	17.4	19.5	15.3	29.5
AA-101-068	21 FEB 80	14 10	.7	2.1	-1.1	-3.4	-2.4	-5.8	-3.3	-.2	5.2	11.3	16.3	19.1	20.1	21.4	28.6
-069		14 13	4.7	5.3	1.6	-.7	-1.2	-2.5	-1.9	1.5	9.0	17.6	21.6	24.7	27.3	26.6	30.0
AA-102-070		14 33						14.2		19.9	23.2	24.0	24.5	22.7	21.7	21.4	-29.4
AA-102-071	22 FEB 80	14 48	-8.1	-8.8	-8.2	-7.6	-3.4	1.9	8.1	12.3	19.3	21.3	21.6	12.7	5.6	.3	21.5
-072		14 53	-10.3	-12.4	-9.6	-9.4	-9.5	-2.5	2.1	1.7	5.6	16.1	17.8	9.5	.1	-3.4	30.3
AA-101-073	27 FEB 80	11 57											26.9	23.6	21.5	18.0	8.0
AA-101-074	01 APR 80	11 3			12.7	14.5	21.6	23.3	28.0	29.1	32.0	34.2	35.0	33.4	32.5	30.2	30.0
-075		11 22			13.2	14.5	21.2	20.8	24.6	29.2	32.5	34.1	37.0	34.1	31.8	28.2	33.5
AA-101-076	03 APR 80	11 17		9.2	7.8	5.4	10.5	10.2	15.0	18.9	24.4						23.3
-077		14 12		5.9	2.7	.4	3.6	3.6	9.7	18.2	26.1	30.2	30.9	30.2	29.3	22.2	35.3
AA-101-080	10 APR 80	9 39															16.1
-081		10 47							21.8	22.8	23.2	24.3	23.1	19.7	19.1	17.6	32.2
-082		11 47							20.6	21.7	23.3	24.8	25.3	23.9	23.0	19.5	31.3
-083		12 3			12.1			11.3	11.8	14.3	16.0	18.6	17.7	11.4	9.0	7.7	33.5
AA-101-087	11 APR 80	10 51			10.1	11.2			19.4	21.9	24.5	25.2	26.6	26.7	26.1	22.3	29.5
AA-101-088	16 APR 80	10 4		9.9	7.0	5.4	8.8	11.0	15.3	22.2	25.1						29.1
AA-101-089	17 APR 80	11 23			11.6	11.4	16.4	17.3	21.2	24.9	26.8			27.0	26.4	24.3	28.1
AA-101-090	18 APR 80	11 6		9.7	8.1	7.5	11.8	13.2	17.0	21.7	22.8	24.9	25.6	23.9	21.9	20.3	32.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E90

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-101-039	12 DEC 79	11 18														11.1	22.2
-040		13 10	12.0	7.3	3.2	2.6	-.8	-2.6								12.0	6.5
AA-102-051	29 JAN 80	16 40	6.0	3.7												11.2	12.0
AA-101-052	05 FEB 80	13 37	11.2	7.1	4.4											14.1	13.5
AA-101-054	13 FEB 80	11 26															
AA-102-058		14 51	4.1	3.6	1.7	2.4										10.1	5.3
-059		15 15	-5.1	-5.8	-3.8	-1.9										6.8	1.1
AA-101-060	14 FEB 80	9 54														17.7	30.6
AA-102-067	20 FEB 80	13 11	7.9	.0	-4.8	-9.9	-10.5	-12.9								-2.0	-.5
AA-101-068	21 FEB 80	14 10	15.9	9.2	5.3	2.5	-.9	-.7								2.7	6.2
-069		14 13	20.6	16.4	12.2	10.5	5.1	3.3								5.6	13.0
AA-102-070		14 33	20.8	16.9	13.9	10.9	8.6	4.8								20.2	15.7
AA-102-071	22 FEB 80	14 48	.0	1.3	2.1	-.3	-1.0	-1.9								6.3	3.3
-072		14 53	-7.0	-6.4	-5.8	-6.7		-10.8								1.0	-2.5
AA-101-073	27 FEB 80	11 57	17.0	14.0												23.6	20.4
AA-101-074	01 APR 80	11 3	30.5	27.5	25.4	24.8	22.1	21.2								27.4	27.3
-075		11 22	28.1	25.0	22.2	20.7	19.3	18.3								25.2	24.9
AA-101-076	03 APR 80	11 17														15.7	26.4
-077		14 12	18.9	11.8	6.3	5.0	2.0	.8								13.3	10.7
AA-101-080	10 APR 80	9 39															
-081		10 47	18.4	16.5	14.4	13.8	10.2									20.7	16.3
-082		11 47	20.0	17.8	15.9	15.0										22.1	19.4
-083		12 3	9.8	10.5												14.0	12.7
AA-101-087	11 APR 80	10 51	21.4	18.3	14.4	13.3	9.9									20.5	17.5
AA-101-088	16 APR 80	10 4														16.0	27.0
AA-101-089	17 APR 80	11 23	24.2	21.9	18.6											22.7	24.2
AA-101-090	18 APR 80	11 6	20.0	16.1	14.1	14.8										18.2	18.6

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D91

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-102-093	22 APR 80	14 10	-3.5	-5.2	-5.3	-3.8	3.1	5.6	10.9	15.7	17.6	18.2	15.4	5.8	-4.3	-5.4	22.6
AA-101-096	08 MAY 80	10 26															19.7
AA-102-097		14 52	2.7	1.0	2.0	5.2	6.2	9.6	16.1	24.4	29.1		24.3	12.3	9.9	6.1	29.0
AA-101-098	09 MAY 80	10 40									34.5	34.1	31.7	28.0	26.7	22.5	34.4
AA-102-100		14 34	.1	-2.5	-2.0	-1.0	2.2	6.8	16.3	21.5	22.1	18.4	14.2	5.8	.7	-1.9	28.1
AA-103-101	09 SEP 80	7 10	.8	1.1	.3	2.8	6.2	8.5	18.0			35.9	27.7	18.7	15.6	11.1	29.1
-103		7 24	2.9	1.6	.7	2.3	5.1	7.0	15.3	27.2	29.0	32.1	26.9	17.3	17.3	18.5	29.5
-105		7 35	3.5	2.9	2.2	4.3	6.8	8.4	16.4	29.4	40.7	41.6	35.8	27.4	23.0	11.7	29.5
-107		7 45	5.1	3.8	2.8	4.6	6.9	8.3	14.2	23.9	35.5	34.6	31.0	21.3	21.8	12.5	34.0
-109		7 55	4.7	4.6	3.3	4.7	8.1	9.1	16.0	28.0	36.6	39.1	38.2	31.2	31.9	22.2	29.1
AA-104-102		7 17	-1.7	-3.1	4.6	2.9	6.9	8.9	12.8	21.3	18.7	19.8	10.1	3.9	1.0	1.6	33.1
-104		7 30	4.9	-2.6	-2.9	.9	2.6	6.5	11.8	10.0	15.5	18.6	6.9	-1.2	-.7	-.8	34.0
-106		7 40	.5	-5.2	-4.1	-.6	1.5	9.3	11.6	16.4	18.2	18.1	8.1	.5	-2.0	-2.5	39.3
-108		7 50	1.1	-2.0	2.0	.1	5.0	8.0	10.8	14.3	21.0	20.8	10.4	1.9	2.0	1.7	32.2
-110		8 1	-.5	-4.8	-1.9	4.6	5.5	5.3	11.2	13.9	17.3	21.5	11.8	-.1	-3.7	-2.0	39.8
-113		13 4	1.6	.8	.7	4.7	6.8	10.0	15.4	24.2	29.5		26.7	11.4	8.4	8.4	35.3
-115		13 16	2.9	3.9	4.3	5.2	7.2	11.5	18.9	21.8	27.1			11.6	11.0	9.4	35.8
-117		13 29	.2	.7	.3	2.5	3.0	6.3	11.5	17.6	22.0	26.1	25.4	11.3	7.8	6.2	30.9
-119		13 47	2.5	1.1	1.5	5.0	7.3	12.4	17.7	25.6	24.7		27.8	13.5	8.6	9.1	32.2
-121		14 3	2.0	1.4	3.5	6.2	8.2	15.1	18.9	21.0	23.8	25.9	22.9	9.6	7.1	7.0	31.3
-123		14 13	-2.2	-1.8	-2.6	-.1	2.5	8.1	14.2	17.4	19.8	20.7	18.0	3.0	.3	-1.1	31.3
-124		15 18	.0		-2.2						26.0		17.1	6.0	3.3	.2	30.4
AA-103-125	10 SEP 80	6 58	-9.1	-9.3	-9.9	-7.6	-1.2	-.7	-.1	-2.8	-2.7	1.6	9.7	3.0	-.6	-3.4	30.4
-127		7 11	-10.3	-10.7	-11.8	-10.3	-7.0	-3.8	.3	1.1	4.5	11.0	13.0	4.2	.8	-2.7	24.1
-129		7 22	-8.9	-9.2	-10.1	-8.0	-4.4	1.0	2.7	3.8	2.9	5.1	9.2	2.0	-.7	-3.2	29.5
-131		7 33	-9.0	-9.5	-10.4	-8.7	-6.0	-1.3	2.5	4.5	5.9	8.8	12.7	1.5	.3	-2.7	28.6
-133		7 44	-11.0	-11.0	-12.1	-10.6	-8.6	-6.7	-1.8	2.6	2.2	4.7	8.9	-.6	-4.0	-6.2	29.5
-135		13 0	1.5	.4	.2	1.3	3.6	4.0	8.3	14.7	21.2	28.2	29.5	23.8	22.7	18.0	28.2
-137		13 10	.0	.5	-.9	-1.8	-1.2	.2	4.7	9.1	16.2	22.4	24.3	19.7	19.3	13.8	30.4
-141		13 29	2.8	1.7	.3	1.4	3.8	5.2	10.8	14.4	19.6	27.1	28.7	23.3	22.1		30.4
-143		13 44	3.5	4.8	4.7	4.2	6.8	8.7	11.6	13.8	21.4	27.5	28.1	23.0	21.8	18.4	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E91

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-102-093	22 APR 80	14 10	-5.1	-1.8	-.8	-2.3	-4.7	-7.2								5.0	-1.1
AA-101-096	08 MAY 80	10 26															
AA-102-097		14 52	2.0	1.8	3.6	5.4	1.7	-4.8								10.0	4.0
AA-101-098	09 MAY 80	10 40	20.7	16.3	12.6	10.1	5.1									20.8	14.9
AA-102-100		14 34	-1.8	-4.4	-4.6	-4.8	-8.6	-15.6								1.7	-6.0
AA-103-101	09 SEP 80	7 10	10.6	2.5	-1.6	-1.4	-.1	-1.8	-6.3	-7.0						6.7	1.4
-103		7 24	7.7	4.1	3.1	-1.0	3.8	1.0	1.6							11.0	6.1
-105		7 35	3.6	.2	-.2	-4.1	-3.3	-2.4	1.9							8.7	2.9
-107		7 45	5.7	.9	-6.0	-5.1	-5.2	-6.5	-4.0							6.7	.4
-109		7 55	21.1	16.6	14.2	9.8	6.8	3.6								17.2	14.4
AA-104-102		7 17	2.8	1.9	1.3	2.7	-.5	-3.5								7.7	2.9
-104		7 30	-.7	-3.5	-2.6	-1.3	-3.8	-10.3	-13.3							3.3	-3.7
-106		7 40	-5.5	-4.3	-4.3	-3.1	-3.6	-9.7	-11.9							2.5	-4.0
-108		7 50	-2.0	-3.4	-1.5	1.2	-.9	-6.3								6.5	.6
-110		8 1	-2.6	-3.4	-3.2	-5.1	-6.0	-10.2								4.2	-2.6
-113		13 4	7.9	7.1	5.3	5.8	2.4	-4.1								13.0	6.8
-115		13 16	7.2	6.6	6.8	7.3	2.5	-2.6								14.0	7.5
-117		13 29	4.0	2.5	1.9	4.3	.7	-8.0								9.7	3.4
-119		13 47	8.5	6.2	5.6	5.4	2.4	-4.1								13.4	6.9
-121		14 3	6.1	5.9	4.9	5.6	.5									13.7	7.8
-123		14 13	-1.8	-1.8	-.8	.8	-4.1	-9.8								6.5	-.1
-124		15 18	-1.3	.7	2.1											12.6	5.7
AA-103-125	10 SEP 80	6 58	-6.9	-7.7	-8.4	-9.2	-10.6	-13.7	-15.8	-21.4						-5.1	-10.5
-127		7 11	-4.1	-5.6	-7.3	-9.7	-12.3	-13.5	-13.6	-15.0						-2.2	-7.2
-129		7 22	-6.3	-7.7	-8.9	-10.3	-11.7	-14.0	-14.7	-17.4						-3.8	-8.9
-131		7 33	-4.5	-5.8	-7.6	-9.0	-11.4	-13.4	-13.6	-17.2						-2.6	-8.1
-133		7 44	-7.6	-9.0	-11.1	-12.0	-13.8	-16.4	-17.4							-4.8	-9.5
-135		13 0	13.0	9.3	5.9	3.5	1.3	.4								11.6	8.5
-137		13 10	9.3	6.1	3.4	.6	-2.1	-5.3	-5.7							6.9	3.1
-141		13 29	12.1	7.4		1.5		-4.3								12.1	8.4
-143		13 44	14.6	11.5	7.5	3.4	-.1	-1.6								12.8	8.1

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D92

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-126	10 SEP 80	7 4		11.8	13.0	15.3	17.4	20.0	23.4	29.6	35.6						38.4
-128		7 16					19.2	19.6	24.5	27.6	34.9						31.3
-130		7 28			9.3	13.3	14.6	17.4	20.0	25.1							31.2
-132		7 39	4.5	5.7	7.0	10.0	12.2	15.8	18.3	20.0	27.9	32.0					31.3
-134		7 50			11.7			20.7									32.2
-136		13 4		9.2	9.8	12.7	15.2	20.4	21.7	24.3					24.0	20.8	30.4
-138		13 14	8.7	10.3	11.2	14.3	17.4	19.6		21.3		24.7	25.7	20.3	20.4	19.0	29.6
-140		13 24				16.7		20.3	20.8				29.3		24.6	21.7	30.4
-142		13 36	7.1	9.6	9.4	12.7		18.8	20.8	23.2			28.4		24.4	20.8	28.6
-144		13 49		13.0	12.9	16.2	18.2	20.1	22.5						26.3		29.5
AA-104-157	16 SEP 80	13 42	2.4	1.1	.6	2.8		8.5	11.2	16.6	24.5		26.8	12.0	11.4	7.2	31.3
-161		14 8	2.2	1.1	-.2	2.1	4.1	8.3	11.8	18.2	26.3		26.6	9.4	9.3	8.7	29.5
-162		14 11	.5	-.2	-.5	2.1	4.6	8.0	10.3	15.8	22.0		26.6	12.1	10.1	7.4	29.1
-163		14 13	-2.2	-2.9	-2.6	1.4	2.5	5.6	7.5	12.4	16.6	23.9	23.2	8.3	4.3	4.6	35.3
AA-108-146		7 28	.0	.6	1.0	1.2	3.1	7.5	14.8	19.9	18.6	17.7	4.0	-1.2	-2.6	-2.3	29.5
-148		7 40	.7	2.4	1.4	2.5	5.6	8.3	14.4	20.1	20.0	18.4	5.2	-2.3	-2.5	-2.1	31.3
-152		8 6	-3.4	-1.4	-1.8	.3	3.3	9.0	14.6	19.7	19.9	17.8	6.6	.9	.9	1.0	30.4
-154		8 21	.0	-.8	.2	1.7	3.0	7.2	13.4	16.6	18.7	16.2	5.9	-1.0	-1.5	-1.6	30.5
AA-103-175	17 SEP 80	13 12	2.6	2.8	2.6	3.4	6.9	11.6	17.9	23.6	27.2	31.7	31.4	23.0	21.1	17.1	28.7
-176		13 22	3.2	3.6	3.3	3.7	6.7	12.6	19.6	23.1	27.1	30.4	31.9	26.1	24.3	21.7	29.6
-177		13 24	3.8	3.3	2.5	3.3	5.9	11.1	18.3	22.4	26.7	32.3	31.4	23.0	22.0	18.2	32.3
-178		13 28	3.5	3.7	3.0	4.2	7.8	12.7	17.4	22.2	27.1	33.8	35.2	26.6	23.9	20.6	35.4
-179		13 34	5.3	5.8	4.8	6.0	7.6	11.4	17.5	23.8	29.1	37.8	37.3	27.5	25.9	22.5	29.1
AA-104-167		7 27	-5.2	-4.8	-3.9	-3.7	-.4	.6	1.9	5.4	9.5	15.8	20.0	8.6	5.8	-1.3	34.9
-168		7 30	-4.6	-5.0	-2.5	1.0	-.5	1.0	1.8	4.6	8.7	17.1	20.3	7.2	3.7	-2.6	32.2
-169		7 33	-3.8	-4.0	-2.8	-.9	.8	1.5	3.4	7.0	10.8	18.7	23.8	11.8	6.4	-.6	30.4
-172		8 4	-5.3	-4.1	-3.4	-5.9	.8	2.7	7.5	9.4	12.3	15.3	13.2	4.3	-2.5	-4.3	32.2
-173		8 23	-5.7	-4.2	-.5	1.8	1.3	5.5	11.9	16.5	19.1	19.5	17.2	4.9	-3.0	-2.2	39.3
-174		8 27	-4.0	-4.7	-1.0	-2.4	-2.1	2.2	6.0	8.7	11.5	16.3	13.1	4.1	-4.3	-4.7	32.6
-180		13 51															34.4
-181		14 2			13.9				25.3	29.7							30.4
-182		14 4			13.7	14.3		18.5	20.2	24.7	28.0				27.5	23.0	30.8
-183		14 6			13.3			19.7		26.4	28.8		31.3		27.6	23.1	33.1
-185		14 8								27.5	31.1		32.7		29.8		30.4
-186		14 13			12.2				23.2	27.1	29.8						30.8
-187		14 14		10.3	11.4				22.6	25.8	28.8					22.5	34.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-126	10 SEP 80	7 4														27.3	40.9
-128		7 16														29.1	40.6
-130		7 28														24.8	38.2
-132		7 39		17.3												21.4	28.6
-134		7 50														32.4	49.1
-136		13 4	17.4	14.4	11.4	11.1	9.8									21.9	16.8
-138		13 14	15.4	12.5	9.3											21.2	17.5
-140		13 24	18.9	15.4	10.8	9.0	6.4	-.5								19.6	11.0
-142		13 36	18.1	15.2	12.3	12.1										22.8	18.8
-144		13 49	20.6	17.6												26.4	25.8
AA-104-157	16 SEP 80	13 42	6.8	6.1	5.7	7.0	5.7	1.3								12.9	8.5
-161		14 8	7.0	7.5	7.3	8.7	5.3									12.6	10.5
-162		14 11	6.3	6.0	7.1	8.3	4.6	1.1								11.6	8.7
-163		14 13	3.0	4.3	5.9	5.5	2.2	-.8								9.1	6.2
AA-108-146		7 28	-1.4	-.1	2.2	1.5	5.3	2.3								6.9	2.6
-148		7 40	-3.5	-5.8	-4.0	-5.1	-4.9	-2.3								5.5	-2.1
-152		8 6	1.9	1.3	-1.2	-.7	-2.3	-3.2								6.1	.6
-154		8 21	-3.0	-6.3	-8.5	-9.0	-9.5	-9.8								1.4	-6.4
AA-103-175	17 SEP 80	13 12	14.3				6.6									17.3	17.4
-176		13 22	17.4				8.1									18.2	19.4
-177		13 24	14.7				7.6									16.9	17.9
-178		13 28	16.8				8.3									18.0	19.1
-179		13 34	18.9				10.2									18.7	21.0
AA-104-167		7 27	-4.0	-1.2	.4	.4	-1.7	-4.4								5.5	2.9
-168		7 30	-4.1	-.7	-.3	-1.6	-3.0	-4.0								5.3	2.0
-169		7 33	-1.3	1.1	2.2	1.1										7.5	6.7
-172		8 4	-3.3	-2.2	-4.0	-5.1	-5.5	-5.7								3.5	-1.1
-173		8 23	-.5	1.2	-1.8	-3.5	-3.6	-5.0								5.6	.2
-174		8 27	-3.1	-1.7	-3.0	-4.9	-5.6	-5.8								3.4	-1.2
-180		13 51															
-181		14 2														33.3	45.0
-182		14 4	19.3	16.4	13.9	13.5										23.7	20.8
-183		14 6	20.1	17.5	15.3	14.8	12.4									24.8	19.6
-185		14 8	22.5	20.2	17.4	16.8										28.9	24.4
-186		14 13	20.2	17.1	14.3	13.9										26.0	21.3
-187		14 14	19.6	16.2	13.1	13.2	11.9	7.1								22.3	15.0

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 19.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D93

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-188	19 SEP 80	7 1	-7.2	-5.3	-1.2	4.3	4.0	-.5	-3.0	1.6	9.4	14.3	8.2	-2.6	-2.8	-3.6	30.9
-189		7 3	-9.8	-9.7	-9.9	-6.2	-.9	3.4	-.5	-2.2	2.3	14.7	9.2	-1.7	-2.4	-3.0	32.2
-192		7 21	-10.1	-10.1	-10.1	-6.8	.3	-1.3	-4.6	-3.6	3.0	13.2	8.0	-2.2	-3.7	-5.2	29.5
-193		7 23	-11.0	-10.4	-9.6	-3.5	5.0	-4.8	-5.0	-2.1	4.1	13.6	12.1	-1.5	-1.9	-1.9	31.4
-194		7 25	-11.1	-10.5	-10.5	-6.6	.8	-3.6	-3.7	1.2	3.4	8.8	11.4	-.9	.8	-2.0	30.0
-200		7 52	-4.3	-4.4	-6.2	-4.0	-1.6	-2.2	1.5	4.3	6.7	16.7	10.2	-1.0	-4.1	-6.8	21.5
-202		7 56	-7.1	-6.9	-5.9	-3.0	-3.5	-1.0	2.4	2.3	3.3	15.3	13.4	3.7	4.1	1.7	22.3
-203		7 58	-7.5	-6.0	-6.0	-3.5	-4.9	-3.7	-1.6	.9	2.7	12.9	6.7	-4.0	-5.6	-7.2	22.3
-205		8 2	-5.3	-4.8	-7.0	-6.2	-5.6	-5.6	1.8	2.8	4.8	13.1	13.7	4.1	2.6	.0	30.4
-207		12 53	6.7	5.8	4.4	5.0	7.4	7.7	11.7	17.7	23.7	28.6	29.7	24.7	24.6	21.5	30.4
-208		12 55	1.7	2.2	1.5	4.1	6.6	8.9	11.7	16.4	22.0	26.9	27.7	23.5	22.8	19.2	30.9
-209		12 57	5.8	4.5	3.6	4.1	6.1	5.6	10.3	13.5	19.4	24.8	26.8	23.8	23.7	20.1	28.1
-210		12 59	3.4	2.1	1.3	3.4	4.3	5.5	10.7	14.7	18.3	25.0	26.4	23.7	24.1	20.7	28.6
AA-104-190		7 12															
-191		7 14															30.4
-211		13 16	11.2	12.1	11.8	13.2	15.8	17.0	20.3	25.4	32.8		34.5		29.0	25.9	33.1
-212		13 21	9.1	9.4	9.3	11.6	12.8	14.8	20.5	25.5	30.5	33.1	32.6	28.0	27.4	22.7	29.1
-213		13 35	11.4	12.2	11.7	13.9	17.1	20.4	23.5	29.5	32.4	34.3	34.8		27.5	26.1	28.2
																	31.3
AA-103-214	23 SEP 80	7 8	-2.3	-2.9	-4.2	-3.2	-.4	3.3	10.6	15.8	18.6	23.5	22.2	15.1	11.0	7.8	30.5
-215		7 10	-1.2	-2.1	-3.9	-2.8	1.4	7.6	17.6	18.7	19.8	24.9	25.1	18.8	15.5	11.8	30.5
-216		7 12	-3.6	-3.2	-4.6	-3.1	1.1	10.6	15.8	12.6	14.2	20.5	19.7	14.6	10.4	8.1	29.1
-220		7 33	-3.4	-2.3	-3.9	-2.2	1.7	6.4	13.2	16.3	18.6	25.5	24.8	18.8	15.9	12.1	27.3
-221		7 35	-1.0	-1.9	-3.0	-2.3	.7	4.7	15.0	19.6	17.5	25.2	22.9	14.6	12.3	8.4	29.6
AA-104-217		7 21	7.1	9.9	8.6	11.6	14.6	18.0	21.1	25.8	30.4					21.7	
-218		7 23		12.1	12.7		17.6	20.3	24.8	29.4							30.4
-219		7 24		11.4	11.3	12.6	14.0	18.0	22.1	26.8	32.0						29.1
-222		7 41				13.0	15.7	18.7	23.5	28.4	33.7					23.9	30.4
-223		7 43	8.9	9.2				17.2		27.5	32.9		36.2			24.4	29.1
-224		7 46			9.5	12.6		17.5									29.5
																	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E93

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-188	19 SEP 80	7 1	-3.7	-4.4		-8.4	-10.3	-12.4	-12.3							-.8	-4.9
-189		7 3	-5.2	-5.4		-9.8	-11.2	-14.1	-14.5							-2.1	-6.2
-192		7 21	-5.3	-5.9		-11.1	-12.2	-14.1	-15.3							-3.1	-7.0
-193		7 23	-2.9	-4.7		-11.2	-12.8	-15.5	-16.6							-2.6	-7.1
-194		7 25	-5.2	-6.1		-10.3	-12.0	-12.1	-13.1							-1.3	-5.2
-200		7 52	-4.0	-4.0		-10.3	-11.7	-11.2	-13.0							-1.3	-5.5
-202		7 56	-2.1	-3.6		-9.6	-9.6	-10.1	-9.9							1.1	-2.9
-203		7 58	-8.5	-10.9		-13.8	-17.3	-16.4								-4.3	-8.9
-205		8 2	-1.1	-3.6		-9.4	-10.3	-11.4	-12.1							.1	-3.8
-207		12 53	18.6	15.4	13.0	10.7	8.6	6.9								15.8	15.4
-208		12 55	16.3	13.2	11.9	10.2	8.2	6.2								14.7	13.5
-209		12 57	16.7	12.8	10.3	7.7	5.2	3.4								13.6	12.5
-210		12 59	17.7	14.3	12.6	10.3	8.0	5.8								13.7	14.2
AA-104-190		7 12															
-191		7 14															
-211		13 16	23.1	20.3	17.7	16.6	16.1									23.9	23.2
-212		13 21	20.1	16.8	13.2	13.3	12.2	8.8								21.4	17.5
-213		13 35	22.2	19.7	17.1	17.8										25.5	23.9
AA-103-214	23 SEP 80	7 8	4.7	3.0	3.6	1.5	.2	-2.9	-4.5							6.8	3.9
-215		7 10	8.7	5.5	3.7	1.8	1.2	-1.0								9.4	7.0
-216		7 12	5.6	3.6	2.1	-.7	-1.3	-4.2	-5.0							6.3	2.4
-220		7 33	7.2	5.4	5.4	3.9	3.3	-.5								9.2	6.8
-221		7 35	4.5	3.4	3.8	1.0	.0	-2.2								7.7	4.6
AA-104-217		7 21	19.4	16.4	13.9	12.7										22.2	20.0
-218		7 23		19.5												27.5	31.3
-219		7 24		18.6												24.4	30.0
-222		7 41		20.4	17.6	16.7										25.0	23.5
-223		7 43	22.3				14.8									26.2	23.9
-224		7 46														27.7	45.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-001

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D94

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-103-235	24 SEP 80	6 59	-8.7	-7.7	-6.8	-.7	5.7	.0	2.0	3.2	10.5	18.4	18.3	7.2	4.2	-.4	30.9
-236		7 1	-8.5	-6.4	-3.3	5.0	.1	1.6	3.3	4.3	7.9	19.8	12.1	1.6	.5	-2.5	30.4
-237		7 3	-7.3	-5.2	-2.6	7.3	2.6	2.3	2.3	3.0	8.6	17.9	10.3	-.2	-1.8	-3.1	32.2
-238		7 4	-7.3	-5.5	-3.0	8.0	3.2	2.8	3.9	4.6	10.0	19.2	10.5	.2	-.1	-4.0	31.3
-243		7 24	-9.0	-7.4	-7.0	-1.3	7.6	6.6	5.4	5.6	5.7	10.8	11.1	2.8	-2.2	-2.6	31.3
-244		7 26	-9.6	-8.2	-7.9	-2.2	7.6	3.6	2.4	.7	4.2	13.2	9.7	-.8	-2.1	-3.2	31.3
-245		7 27	-8.6	-7.2	-7.2	-3.4	3.0	1.1	3.5	2.5	7.1	18.4	16.6	5.8	5.9	1.9	31.3
-246		7 29	-8.8	-6.1	-3.0	6.3	1.3	.7	3.0	2.7	5.7	17.6	14.3	5.7	2.9	-1.1	31.3
-247		7 31	-7.8	-5.2	-.3	4.8	.2	1.5	2.6	2.2	5.6	14.1	9.6	.8	.7	-2.5	32.6
-248		7 32	-9.0	-5.9	-2.6	4.5	2.4	7.9	10.6	9.2	12.3	22.0	16.7	6.5	6.0	1.1	31.3
-257		15 0	3.0	4.0	3.0	4.6	8.5	12.2	19.9	24.9	30.3	35.4	33.0	26.2	25.0	21.7	31.3
-258		15 1	4.6	6.5	4.6	6.5	9.6	13.7	21.9	25.4	29.8	34.4	33.3	26.7	26.0	22.4	31.3
-259		15 3	.3	.4	-.1	2.0	4.3	5.4	11.6	19.9	29.3	32.0	32.6	25.0	23.4	19.4	31.3
-260		15 4	3.1	3.1	2.8	4.9	9.9	13.7	14.3	18.4	28.5	35.0	34.6	28.8	27.9	24.0	31.3
-261		15 6	4.9	7.7	7.5	9.6	13.8	16.7	23.9	26.5	31.5	36.4	34.9	29.5	29.2	26.1	31.3
AA-104-239		7 12		15.1		16.6	18.8	22.4									31.3
-240		7 13		13.9	13.0	16.4	18.1	23.0									31.3
-241		7 15	12.7	13.3	13.8	16.1	17.6	21.0	29.7	37.3							30.5
-242		7 16		13.6	14.6	17.6	19.7	23.1	30.2								31.3
-249		7 39	13.5	13.2	12.1	16.1		20.1	23.1	33.0							30.9
-250		7 40	12.3	12.9	11.5	13.8	15.9	19.1	23.0	32.9	37.4						32.2
-251		7 42	10.0	11.0	10.3	13.5	16.4	20.5	27.5	34.1							32.2
-252		7 43		12.4	12.4	17.1	16.6	20.5									32.2
-253		7 45	10.9	11.6	11.3	15.5	17.7	23.4									31.3
-254		7 46		14.2	13.5	15.8	18.4	24.5									32.2
-256		7 49		11.5	11.6		16.9	21.2								28.4	34.9
-262		15 17						14.0		16.2					17.0	12.1	32.2
-263		15 18	5.3	5.5	5.6	7.7	7.5	12.3	18.6	20.8	25.8	27.6	28.8	19.1	15.3	12.3	30.4
-264		15 24	7.7	7.5	5.1	6.0	5.9	8.8	12.1	19.7	23.1		26.6		18.4	15.5	17.0
-265		15 26	5.0	4.9	3.9	5.6	5.9	8.2	10.7	16.0	20.7	27.0	30.3		14.8	12.4	32.2
-266		15 28	4.7	4.0	2.6	4.8	4.5	8.7	13.3	16.2	21.1	27.5	30.4	19.2	16.9	13.4	33.5
AA-103-267	25 SEP 80	7 10	-1.1	-2.2	-3.2	-2.0	.8	2.9	10.4	20.0	27.5	35.5	32.8	24.7	20.5	16.3	31.7
-268		7 14	-.4	-1.3	-1.9	-.1	2.4	5.0	12.7	22.8	28.3	38.7	37.6	27.8	24.9	21.3	31.3
-269		7 17	.3	-.2	-.7	1.2	4.5	8.0	16.2	25.4	28.3	36.1	36.0	28.7	25.4	24.1	32.2
-270		7 19	1.7	.6	.0	2.3	5.6	7.6	14.8	26.7	31.8	40.2	37.4	28.0	23.7	23.6	31.3
-271		7 22	2.3	.4	-.9	1.6	5.2	8.0	15.6	26.6	35.0	39.1	36.1	28.2	27.1	23.7	32.1
-277		7 50	5.1	3.6	1.5	3.7	5.5	6.7	14.6	24.6	34.7	37.8		32.4	30.3	27.5	22.7
-278		7 51	6.2	5.0	4.5	6.6	8.9	11.4	19.0	29.5	37.9			32.9	32.3	29.4	30.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E94

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-103-235	24 SEP 80	6 59	-1.3	-.2	-.8	-4.2	-5.8	-8.0								3.1	.0
-236		7 1	-2.2	-2.5	-3.8	-7.2	-7.8	-10.3								1.8	-2.2
-237		7 3	-3.4	-1.6	-2.6	-6.0	-7.7	-10.6	-13.6							.6	-4.0
-238		7 4	-3.3	-1.2	-2.6	-7.0	-8.5	-13.2	-16.0							.1	-5.4
-243		7 24	-3.5	-3.7	-5.8	-6.5	-9.7	-12.9								.0	-4.2
-244		7 26	-3.9	-3.6	-4.4	-6.3	-9.3	-12.5								-.5	-4.0
-245		7 27	1.3	.7	.2	-1.9	-4.8	-7.7								3.3	.9
-246		7 29	-3.4	-3.0	-3.0	-6.5	-9.7	-11.9								1.6	-2.7
-247		7 31	-5.6	-5.7	-5.9	-10.3	-13.8	-15.7								-.9	-6.2
-248		7 32	-.5	.9	-1.3	-4.1	-4.6	-8.7								4.9	.2
-257		15 0	19.1	17.3	14.0	10.6	7.6	5.3								17.9	15.4
-258		15 1	19.5	17.4	14.3	11.5	8.0	5.6								18.8	15.6
-259		15 3	15.1	12.7	9.1	6.2	2.8	.7								13.2	10.8
-260		15 4	21.1	18.7	15.5	12.8	9.2	6.6								17.8	16.4
-261		15 6	23.3	21.2	18.7	16.4	13.2	9.5								22.0	19.3
AA-104-239		7 12														30.2	47.5
-240		7 13														29.0	47.7
-241		7 15														28.0	44.6
-242		7 16														29.8	46.7
-249		7 39														27.1	41.2
-250		7 40		26.3	23.5	23.7										25.1	30.0
-251		7 42														26.0	42.6
-252		7 43	29.1	27.8												27.8	36.2
-253		7 45														28.1	47.7
-254		7 46														29.5	48.9
-256		7 49	27.3	26.1												28.4	33.9
-262		15 17	9.8	7.4	4.9	5.1	3.5									16.4	9.5
-263		15 18	9.4	6.3	4.2	4.3	1.6	-3.1								13.4	6.2
-264		15 24	12.5	11.0	9.2	8.4	6.1	1.6								12.1	9.4
-265		15 26	10.7	8.5	5.8	5.0	3.9	1.4								12.6	9.1
-266		15 28	11.1	7.6	4.4	3.8	1.7	-2.7								12.1	6.6
AA-103-267	25 SEP 80	7 10	15.0	12.9	15.0	14.8	10.3	8.0								11.8	15.7
-268		7 14	16.8	15.8	12.0	7.9	8.3	7.7								13.2	14.7
-269		7 17	20.0	13.2	10.1	6.8	3.9	3.8								14.3	12.6
-270		7 19	19.2	15.7	12.9	9.1	5.2	2.3								14.9	12.9
-271		7 22	21.4	17.5	13.0	10.7	7.9	6.0								15.3	15.3
-277		7 50	23.7	20.7	16.4	12.0	9.4	7.6								16.3	17.6
-278		7 51	25.7	20.8	17.7	13.9	10.5	10.3								19.7	19.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-OB1

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D95

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-272	25 SEP 80	7 30	.9	-1.2	-3.0	-1.9	-.9	3.6	9.2	18.1	17.6	17.8	16.4	4.8	-.9	-4.8	35.3
-273		7 32	2.2	.2	-2.6	-1.3	.3	5.7	11.8	18.7	25.7	25.5	23.2	13.7	8.5	5.4	33.5
-274		7 34	2.0	-.9	-3.2	-1.7	.6	5.8	10.5	17.3	25.2	28.4	25.5	17.6	12.3	6.9	32.5
-275		7 36	2.3	-.1	-3.2	-2.2	.0	4.9	8.8	17.6	23.2	25.5	22.2	10.9	6.2	3.2	36.7
-276		7 38	3.6	.5	-2.7	-1.9	.3	4.5	7.3	15.2	22.8	25.1	23.4	15.3	11.2	7.5	30.8
-279		8 0	8.9	2.8	-1.7	-.4	5.8	8.5	11.9	19.8	25.6	30.0	27.0	14.9	12.1	11.0	32.7
-280		8 2	7.8	1.7	-1.5	1.3	10.2	7.8	15.3	16.9	21.4	26.0			16.3	12.9	40.2
AA-104-286	30 SEP 80	14 30	7.4	8.8	8.8	11.7	14.2	17.8	21.3	22.6	24.5		25.8		12.0	10.2	31.3
-287		14 31	3.8	5.5	7.1	11.0	14.5	20.6	21.3	26.4	28.4	27.8	27.4	17.4	12.9	12.3	31.3
-288		14 33	6.4	7.8	8.6	11.1	15.2	17.9	22.7	25.1	29.3		30.0		15.2	14.6	31.3
-289		14 34	7.1	9.9	9.3	9.4	14.0	17.0	20.3	24.0	28.0		28.8	18.1	13.9	13.9	30.4
-290		14 37	6.1	6.9	7.2		8.5	14.4	18.3	24.6	27.9		29.7		14.8	14.2	32.2
-296		15 13	6.3	7.7	8.4	11.0	13.7	16.1	20.2	24.2	26.6		27.7		14.2	14.3	30.9
-297		15 25	7.3	8.7	8.0	9.2	12.0	16.5	22.2	26.8	30.2		29.8		15.5	15.3	29.6
AA-103-299	01 OCT 80	7 0	3.7	2.5	1.8	2.4	4.2	6.6	14.2	22.9	28.2	29.7	29.4	15.1	11.4	6.2	31.7
-300		7 2	3.8	2.1	1.5	2.2	4.1	6.4	13.8	24.3	28.2	30.7	27.5	12.5	11.9	6.9	32.6
-301		7 3	3.3	2.0	1.0	2.2	4.5	6.7	14.5	25.2	29.6	31.7	25.6	13.3	15.9	9.1	32.6
-302		7 5	3.2	2.2	1.1	2.2	4.3	7.0	15.0	27.4	31.6	34.7	26.2	16.2	13.9	3.9	30.4
-303		7 7	3.6	3.2	2.1	3.0	5.1	6.9	14.8	28.1	34.4	36.5	26.3	13.1	12.3	.1	32.2
-309		7 32	4.2	5.0	4.4	6.9	7.9	11.1	20.1					17.1	12.4	9.1	34.8
-310		7 33	3.2	6.2	5.3	6.1	7.4	11.1	20.2	33.0	38.5		34.3	17.5	12.4	8.8	32.6
-311		7 35	4.9	6.7	5.5	5.9	7.3	10.9	19.2	31.6	38.0	43.0	38.1	21.8	16.5	11.8	31.7
-312		7 36	4.7	6.5	5.7	6.0	6.8	10.5	18.8	31.1				29.4	22.5	13.8	31.3
-313		7 38	4.6	5.8	5.9	6.6	7.1	10.7	18.9	30.1				28.6	20.8	13.3	32.6
-319		7 59	4.5	8.9	13.8	15.8	10.6	12.5	20.0					32.5	28.8	21.3	35.3
-320		8 0	5.0	7.6	11.1	18.9	11.8	12.2	20.2	33.4			33.0	30.5	26.5	21.7	32.6
-321		8 1	4.8	7.1	9.1	19.4	13.7	13.0	19.9	33.6	40.7				27.3	20.8	32.2
-322		8 3	4.3	7.0	8.2	16.6	17.4	15.7	21.8	33.5	37.7			32.3	31.0	24.2	29.5
-323		8 8	4.9	5.7	6.1	11.6		19.2	24.3						36.5	32.4	32.2

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E95

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-272	25 SEP 80	7 30	-6.0	-6.9	-7.5	-5.0	-2.0	-12.9	-18.7							.9	-7.2
-273		7 32	3.1	1.7	.5	1.6	1.6	-2.3								8.8	4.1
-274		7 34	6.6	4.3	1.9	2.6	.5	-4.5								9.0	4.4
-275		7 36	.1	.0	.1	1.1	-1.5	-6.0								7.3	1.8
-276		7 38	5.1	.9	-1.2	-.9	-2.9	-5.7								7.3	1.6
-279		8 0	10.1	10.2	10.6	10.3	7.1	2.7								12.4	10.4
-280		8 2	10.0	8.3	9.9	12.4	10.2									13.7	13.3
AA-104-286	30 SEP 80	14 30	8.9	6.4	3.9	4.5	2.9	-.7								15.7	7.1
-287		14 31	10.4	8.0	5.9	6.1	3.1	-1.4								17.0	8.3
-288		14 33	12.9	10.3	7.8	7.9	6.0	1.8								18.5	10.8
-289		14 34	12.5	10.1	7.8	7.5	4.0	-3.6								15.4	7.2
-290		14 37	12.1	9.3	6.9	6.7	4.4	1.0								17.1	10.0
-296		15 13	12.1	9.1	6.4	6.4	4.2	-1.1								15.8	7.9
-297		15 25	13.4	11.5	9.7	9.5	7.1	2.1								18.5	11.3
AA-103-299	01 OCT 80	7 0	4.9	5.3	7.1	6.0	4.6	6.0	1.6							11.1	7.4
-300		7 2	7.7	6.3	1.4	2.2	-.3	-.8	-.7							10.1	4.9
-301		7 3	3.6	3.9	2.3	6.6	7.8	8.1								12.2	9.0
-302		7 5	2.3	7.4	6.6	1.8	3.9	4.7								10.6	7.1
-303		7 7	.6	7.5	8.1	4.0	6.8	8.3								9.1	6.1
-309		7 32	7.4	4.2	3.3	2.3	7.5	3.5	-.7							11.7	6.5
-310		7 33	7.1	2.5	2.0	3.5	6.2	4.8	2.7							11.7	7.0
-311		7 35	12.5	5.8	1.3	8.3	7.3	12.1								14.7	10.8
-312		7 36	9.1	11.8	4.6	11.2	11.7	11.3								16.1	13.3
-313		7 38	7.9	9.7	6.0	10.1	10.6	9.1								15.7	12.6
-319		7 59	18.5	11.5	7.4	9.2	10.4	11.1								19.1	15.0
-320		8 0	19.2	10.1	7.4	7.2	6.6	6.6								17.9	13.0
-321		8 1	16.3	7.9	6.3	5.3	6.5	6.3								17.0	11.7
-322		8 3	19.3	14.3	4.1	4.1	3.4	4.3								16.8	10.8
-323		8 8	25.1	15.6	8.2	3.6	6.0	5.8								18.5	12.5

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D96

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-104-304	01 OCT 80	7 17	-7.2	-9.9	-3.7	-4.9	-.5	-2.9	-2.4	2.4	7.7	4.8	-7.4	-13.2	-11.5	-6.3	31.4
-305		7 19	-6.4	-9.9	-4.8	-2.5	-.7	-.5	-.7	3.9	7.1	5.8	-5.3	-11.6	-11.6	-8.1	31.4
-306		7 21	-6.7	-10.2	-6.3	-3.6	-.4	1.0	.5	5.2	8.6	6.2	-5.3	-11.3	-11.0	-8.8	31.4
-307		7 22	-6.5	-10.9	-7.1	-3.3	-3.1	-2.6	-3.2	3.4	6.1	5.0	-6.7	-12.3	-12.0	-10.0	32.3
-308		7 24	-6.0	-10.7	-7.2	-2.6	-2.0	-1.7	-2.1	3.2	7.1	4.3	-7.4	-13.6	-13.1	-10.8	31.4
-314		7 44	-8.5	-6.3	-4.5	-5.1	-1.0	.6	3.0	7.6	14.3	12.2	2.3	-4.8	-5.9	-4.6	31.3
-315		7 46	-8.3	-6.1	-5.5	-5.2	-3.3	.7	4.7	7.2	12.5	12.5	1.4	-4.9	-5.7	-3.8	31.4
-316		7 47	-8.6	-5.6	-7.1	-5.6	-3.9	-.5	1.7	5.3	9.9	8.7	-.9	-8.1	-10.5	-11.9	31.3
-317		7 49	-8.7	-6.9	-4.2	-6.0	-1.9	.2	-.3	3.8	6.3	5.8	-4.9	-11.5	-12.0	-10.0	31.4
-318		7 50	-7.7	-8.4	-1.3	-5.5	.4	1.7	2.0	7.2	8.6	10.3	1.2	-7.7	-10.0	-9.3	34.5
-324		8 15	-8.6	-7.1	-4.4	-7.4	-4.0	-2.4	-1.1	1.4	6.7	5.1	-6.2	-12.3	-12.7	-10.0	33.1
-325		8 17	-8.8	-5.7	-5.2	-4.7	-1.4	1.1	2.2	2.1	7.0	9.4	2.2	-7.4	-12.9	-13.4	33.1
-326		8 18	-8.7	-6.4	-6.1	-5.2	-3.3	1.7	2.2	3.0	7.7	8.2	-.7	-9.8	-12.9	-12.4	32.3
-327		8 20	-7.5	-8.2	-2.6	-5.3	1.7	3.6	7.5	5.6	9.8	9.6	1.2	-5.8	-8.3	-8.7	31.3
-328		8 22	-4.1	-7.4	-3.6	-1.0	.7	5.6	9.3	13.2	17.4	14.9	6.0	-2.1	-5.0	-5.2	30.4
-329		8 24	-3.6	-6.7	-2.4	-2.0	1.2	6.2	7.6	11.4	17.1	16.7	9.4	.3	-.5	-.1	33.6
AA-105-330	16 DEC 80	7 29	-3.1	-4.4	-5.5	-2.1	1.4	6.7	12.5	16.3	19.0	27.6		22.6	18.9	15.1	29.5
-331		7 31	-3.8	-4.6	-6.4	-4.0	.0	6.6	16.3	15.1	18.0	23.9	26.7	18.8	13.2	11.5	45.7
-332		7 34	-.7	-1.6	-3.1	-1.4	1.9	5.7	12.3	15.5	19.2	19.1	20.7	23.4	21.6	18.6	33.6
-333		7 36	.8	.2	-1.6	-.5	1.7	4.6	13.8	16.9	22.8	30.2		23.7	18.5	13.2	34.5
-334		7 39	-1.9	-2.5	-4.7	-3.0	-.4	1.8	9.4	15.5	20.9	24.6	26.9	20.0	17.4	14.4	34.5
-335		7 41	-.8	-.6	-2.2	-1.0	2.4	6.1	15.6	19.3	23.6	27.6		22.1	19.3	16.4	33.6
AA-106-336		7 51														25.9	30.4
-337		7 53		11.9	12.7	14.7		18.7		26.5							33.5
-338		7 56		11.9		15.2	13.7	17.0	20.3	24.7	27.7					21.6	37.5
-339		8 7														27.4	32.2
-340		8 9	12.2	12.3	14.3	16.0		19.7	24.2	28.1					30.6	27.1	35.3
-341		8 11		16.5	17.7	18.6		23.9	24.7	30.4	32.7				29.6	27.4	33.5
AA-105-354	17 DEC 80	13 13	5.7	10.7	11.2			16.2	18.0	21.0	24.9	27.5	28.4	24.9	25.3	23.5	47.6
-355		13 17	3.9	7.3	9.0		11.9	13.9	16.4	19.9	23.7	26.5	25.7	20.8	20.9	21.6	34.6
-356		13 18								24.0	28.0	30.2	30.4	26.9	27.6	26.6	34.6
-357		13 20	5.5	9.1	11.5		14.5	15.9	19.6	23.2	27.1	28.8	28.2	26.1	26.9	26.1	34.6
-358		13 22					11.3	19.2		22.9	28.7	31.0	31.2	27.6	28.2	26.3	34.1
-359		13 23					12.0			22.9	28.8	31.8	31.3	26.8	26.9	25.6	26.0
AA-106-360		13 42	1.5	.3	-.3	.0	2.4	3.2	9.5	19.4	27.2	32.9	29.5	21.2	15.7	11.7	33.5
-361		13 45	.3	-.2	-.7	-1.3	.8	2.0	8.3	17.1	24.7	30.1	27.4	18.5	10.6	6.2	34.4
-362		13 50	.2	-.4	-1.3	-1.3	1.9	3.7	11.0	21.0	23.5	29.7	29.8	21.5	15.9	12.5	32.2
-363		13 54	-2.5	-5.0	-4.7	-4.2	-.4	4.0	11.2	19.0	22.4	26.0	20.2	13.1	10.3	5.1	30.3
-364		13 57	1.0	-1.7	-2.7	-2.2	1.2	3.7	9.2	16.5	21.4	26.6	23.9	14.3	9.6	5.7	34.0
-365		14 1	.0	-1.5	-2.3	-2.3	1.1	3.1	11.4	20.9	25.6	31.4	29.3	19.4	11.8	8.4	34.4
-366		14 6	-.2	-1.1	-1.3	-1.1	1.7	4.1	10.4	19.0	25.4	32.0	30.7	21.8	14.6	11.0	32.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E96

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-104-304	01 OCT 80	7 17	-7.2	-8.4	-8.2	-9.9	-12.2	-14.9								-3.9	-8.5
-305		7 19	-7.6	-9.3	-9.2	-12.4	-13.5	-15.9								-3.7	-9.4
-306		7 21	-7.6	-8.5	-7.1	-10.1	-12.7	-15.2								-2.9	-8.4
-307		7 22	-7.3	-9.7	-9.3	-11.8	-14.5	-17.9								-4.6	-10.1
-308		7 24	-7.1	-8.7	-7.3	-7.6	-10.6	-15.0								-3.9	-8.3
-314		7 44	-3.0	-6.5	-5.5	-6.8	-9.2	-13.0								.3	-5.6
-315		7 46	-3.8	-5.8	-5.7	-6.2	-8.1	-11.3								.2	-4.8
-316		7 47	-9.8	-9.1	-8.8	-8.2	-11.0	-16.0								-2.6	-8.7
-317		7 49	-6.8	-7.1	-8.4	-7.4	-10.6	-16.6	-21.0							-4.6	-11.0
-318		7 50	-9.3	-10.0	-8.8	-7.6	-11.1	-16.0	-19.1							-3.5	-10.4
-324		8 15	-8.5	-10.7	-11.1	-11.3	-14.1	-19.8								-4.8	-10.7
-325		8 17	-11.2	-11.5	-11.3	-11.9	-14.2	-17.5	-16.3							-4.6	-11.4
-326		8 18	-10.5	-11.6	-12.3	-11.4	-13.6	-17.8								-4.2	-10.8
-327		8 20	-8.8	-9.5	-10.5	-10.6	-11.7	-15.5	-17.8							-2.7	-10.0
-328		8 22	-7.3	-8.4	-7.8	-6.6	-7.7	-11.0								1.2	-5.5
-329		8 24	-.2	-4.2	-7.3	-6.9	-8.5	-11.9								2.6	-4.6
AA-105-330	16 DEC 80	7 29	10.3	5.8	5.2	5.1	2.0	-.3								10.7	8.5
-331		7 31	7.7	4.1	2.5	1.9	-2.6	-7.6								8.0	3.7
-332		7 34	16.0	10.6	7.7	3.8	-3.5	-12.2								7.6	1.6
-333		7 36	9.5	4.7	3.8	2.1	-1.2	-4.3								10.1	5.8
-334		7 39	10.3	5.5	4.1	3.0	-1.9	-5.8								8.1	5.0
-335		7 41	13.1	7.9	5.0	2.9	-.9	-3.6								10.8	6.7
AA-106-336		7 51	22.5	19.1	16.7	12.4	3.8	-5.6								14.7	5.8
-337		7 53														28.2	41.6
-338		7 56														24.2	31.5
-339		8 7	24.3	21.8												36.8	30.7
-340		8 9	23.5	21.1	19.1	16.6										26.5	24.3
-341		8 11	24.8	22.2	20.2											28.9	27.8
AA-105-354	17 DEC 80	13 13	21.4	17.6	17.1	16.3										21.7	20.9
-355		13 17	21.8	20.0	20.7											20.4	23.3
-356		13 18	25.4	21.6	21.6											27.1	26.3
-357		13 20	24.5	21.0	20.5											23.4	25.4
-358		13 22	23.6	19.7	18.0	14.6										23.2	21.5
-359		13 23	23.5	19.5	18.1	15.4	8.4									21.6	17.6
AA-106-360		13 42	8.6	5.5	5.0	4.2	2.3									11.4	8.9
-361		13 45	3.5	1.1	1.2	2.2	1.2									9.6	5.9
-362		13 50	7.4	4.6	3.6	3.3	1.4									11.1	7.8
-363		13 54	.3	-.8	-1.6											8.6	6.1
-364		13 57	3.0	.9	.2	-1.4	-4.3									8.7	3.3
-365		14 1	5.7	3.7	4.2	5.6	3.8									10.4	8.6
-366		14 6	7.8	6.8	5.4	6.0										11.4	11.4

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

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DISTANCE 2377 M

DATE 02 FEB 87
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TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-367	08 JAN 81	10 30		1.6	7.9	11.4		24.7	30.2	32.6	30.3	25.2	20.2	13.6	8.8	2.0	35.4
-369		10 34	-1.1	3.4	7.3	12.4	17.8					27.2	23.3	19.0	17.0	12.2	34.5
-370		10 35	-2.0	2.6	8.8	13.7						27.1	23.1	18.7	14.9	10.9	35.8
-371		10 37	-1.3	2.8	8.7	14.0							22.4	18.4	16.2	12.0	35.4
-372		10 39	-1.7	2.4	7.7	14.6							23.1	17.7	15.1	11.1	34.5
-373		10 41	-1.8	2.7	8.5	15.2							23.6	18.5	16.6	12.8	35.4
-374		10 43	-1.8	2.4	7.9	14.1							24.0	19.3	17.5	13.2	34.5
-375		10 45	-2.4	2.4	7.6	14.6							23.3	19.3	17.6	13.7	36.3
-376		10 46	-1.1	3.1	9.1	15.5							24.2	19.5	17.4	14.2	36.7
-377		10 48	-1.3	3.7	9.4	15.7									19.7	16.6	34.5
AA-105-388	09 JAN 81	14 9	-1.2	3.5	8.7								19.4			14.8	36.3
-389		14 12	-.5	4.2	9.8												36.3
-390		14 14	-1.4	3.0	7.9											16.2	31.4
AA-106-391		14 38	-1.3	.2	8.7	12.3								11.3	8.9	6.1	15.2
-392		14 42	1.1	4.6	12.4	12.9		23.5	28.1	28.5	24.8	17.9	10.8	7.3	4.8	.9	37.1
-393		14 44	-1.5	.8	10.7	13.1		21.3	28.7	27.3	23.8	17.0	10.8	7.4	4.0	.4	41.2
-394		14 45	-.5	1.7	11.4	14.2		23.6	30.0	30.7	27.4	21.3	15.3	11.3	7.8	4.5	37.1
-395		14 47	-.6	1.9	11.8			24.8	28.8	30.1	27.4	20.6	12.2	7.7	4.7	1.7	35.3
-396		14 49	-1.7	.6	10.6	12.6			26.8	28.2	25.5	19.5	12.4	9.1	5.7	1.6	36.2
-397		14 50	-.5	2.0	10.3	11.8		22.7	28.3	27.8	25.7	18.8	11.7	7.0	3.3	-1.5	38.5
-398		14 52	-.7	2.9	11.8	12.1		25.6	27.2	28.1	24.8	17.5	11.1	8.4	5.2	1.3	35.8
AA-105-399	13 JAN 81	8 7	3.4	8.8	14.8						36.6	33.7	29.6	28.0	25.7	23.1	35.4
-400		8 11		9.9	15.4					33.7	33.2	28.5	23.1	22.5	20.9	19.9	37.6
-401		8 13		11.5	16.5					36.2	36.3	33.4	28.6	27.0	24.6	21.3	41.7
-402		8 14		9.5	14.9					37.5	37.5	34.0	28.8	27.5	25.1	22.0	34.5
-407		8 35	4.3	9.8	16.1	25.5							27.9	26.8	24.9	21.7	34.5
-408		8 37	1.8	8.1	13.9	25.0							28.5	26.8	25.0	21.7	34.5
-414		13 11	.5	3.9	8.7	17.1	25.2			34.2	33.5	31.2	26.9	23.6	22.1	19.2	36.7
-415		13 14	1.8	6.6	12.1					34.6	34.8	32.7	28.1	25.0	23.7	20.9	34.5
-416		13 16	2.7	6.8	11.8					35.3	34.8	32.8	28.7	25.1	24.2	21.2	35.4
-417		13 18	1.5	5.6	11.1		25.4	27.1	30.6	34.7	35.0	32.6	28.2	24.9	24.3	21.3	35.8

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E97

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-367	08 JAN 81	10 30	-3.6	-8.3	-10.4	-7.1	-9.3									-.1	-5.7
-369		10 34	8.3	3.9	3.8	.2										11.8	6.6
-370		10 35	7.0	3.0	2.5	2.1										11.5	6.5
-371		10 37	7.6	5.3	4.2	3.0										12.8	8.0
-372		10 39	6.8	4.0	1.1	.7										10.8	5.8
-373		10 41	9.0	6.8	6.5	4.0										13.8	9.3
-374		10 43	9.3	6.5	7.3	5.0										14.2	10.0
-375		10 45	9.8	6.4	5.1	2.3										13.1	8.5
-376		10 46	9.2	4.4	4.6											14.2	10.0
-377		10 48	12.7	6.9	5.0											15.5	11.4
AA-105-388	09 JAN 81	14 9	11.9	9.0	6.6	4.2										14.8	10.5
-389		14 12	12.7	12.8	11.0											19.8	17.3
-390		14 14	12.6	9.0	5.8	2.9	-4.7									9.9	4.2
AA-106-391		14 38	.6	-1.3	-3.0											6.1	2.9
-392		14 42	-4.4	-5.2	-6.1	-7.1										.9	-3.0
-393		14 44	-4.4	-6.0	-7.5	-8.6	-16.3									-4.1	-8.9
-394		14 45	-1.6	-3.4	-4.3	-5.7										2.4	-1.6
-395		14 47	-1.3	-4.2	-4.4	-4.8										2.6	-1.2
-396		14 49	-2.9	-5.9	-6.9	-7.6										.1	-3.7
-397		14 50	-6.2	-9.0	-9.7	-9.6										-2.3	-6.1
-398		14 52	-4.4	-5.8	-6.3	-7.2										.6	-3.2
AA-105-399	13 JAN 81	8 7	20.7	18.3	16.0	12.0										22.8	18.4
-400		8 11	18.4	16.5	14.4	10.4										21.0	16.7
-401		8 13	18.9	16.0	13.3	9.4										21.0	15.9
-402		8 14	19.1	16.5	14.4	9.7										21.3	16.4
-407		8 35	18.7	16.1	13.3	9.4										20.8	15.9
-408		8 37	19.3	16.5	14.4	10.1										21.2	16.7
-414		13 11	17.1	15.6	13.6	9.8	1.9									16.1	11.0
-415		13 14	18.6	17.4	16.4	13.5										22.1	19.1
-416		13 16	18.8	16.8	14.8	10.8										21.2	17.4
-417		13 18	18.9	17.3	15.3	11.5										21.1	17.9

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 19.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D98

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-106-403	13 JAN 81	8 23	-1.2	4.9	8.2	11.1		21.9	26.3	22.5	17.6	11.6	5.1	2.3	.1	-.8	28.2
-405		8 26	-2.9	1.5	8.2	11.3		19.2	19.7	17.1	12.3	9.1	1.0	-.4	-4.0	-6.7	36.2
-406		8 27	-2.7	3.2	8.4	10.8		20.8	20.8	16.3	10.2	4.3	.2	-3.4	-6.7	-9.2	34.5
-410		8 45	-4.5	2.5	7.1	11.0		16.8	16.7	14.2	9.7	4.9	1.0	-4.6	-6.8	-8.7	23.3
-411		8 47	-2.2	3.6	7.9	10.5		20.8	22.1	20.2	16.1	10.6	4.8	1.2	-1.2	-4.2	36.3
-412		8 50	-4.0	2.7	7.2	11.3		19.0	18.0	14.6	10.0	6.0	1.1	-3.5	-6.1	-8.4	30.5
-418		13 31	1.5	4.9	11.7	13.7							9.1	5.5	3.6	4.3	34.4
-419		13 35	.1	3.2	11.8	13.7		24.9	26.9		26.4	21.2	15.6	11.2	7.3	3.8	35.3
-420		13 37	2.6	4.7	11.9	15.3		23.6	25.2		22.5	18.3	12.6	9.6	7.0	3.7	8.9
-421		13 39	-.1	3.9	12.3	13.7		25.2	28.1		22.4	17.4	11.7	7.9	5.9	5.6	33.6
-422		13 40	1.6	5.1	12.7	14.4		26.4			25.8	20.7	13.3	5.1	2.1	1.5	35.8
-423		13 42	.9	4.4	11.1	12.6		22.9			28.5	22.1	16.7	11.6	8.7	5.3	38.5
AA-105-424	15 JAN 81	8 19	-2.3	.4	7.2	19.4		28.4		39.5	38.2	34.2	28.9	25.2	23.8	21.0	34.5
-425		8 21	-1.6	1.2	8.5	17.9	23.1	30.1		39.1	37.7	32.8	28.5	24.4	22.7	19.2	35.4
-426		8 22	-2.5	-.4	5.8	20.0	26.8	32.8				35.5	30.1	26.3	24.6	21.6	35.8
-427		8 23	-2.3	.0	6.7	17.9	24.4	31.9	38.2	37.5	37.8	34.9	30.0	25.7	24.7	21.3	35.8
-428		8 25	-2.4	.3	7.8	17.8	22.8	30.4				33.4	28.6	23.7	20.4	16.8	34.5
AA-106-429		8 33	-.5	.4	9.9	17.6							26.7	23.0	20.2	17.6	35.3
-430		8 34	-.4	.1	9.9	17.1							26.9	23.3	22.2	21.1	34.6
-431		8 36	-.3	.6	11.0	17.9			36.0				25.3	22.9	20.1	18.4	35.3
-432		8 37	-1.7	-1.2	9.8								23.9	19.6	18.4	17.6	34.5
-433		8 39	-1.0	-.2	10.1				20.5				16.5	18.4	17.4	17.1	34.5
AA-106-438	03 FEB 81	9 38	-2.5	-3.2	.7	2.9	7.8	10.3	12.6	16.5	20.1	16.1	5.1	-6.0	-5.7	-4.9	35.3
-439		9 43	-1.1	-4.1	-.4	5.1	11.0	14.4	20.6	21.8	23.2	22.7	12.3	.8	.9	-.1	35.3
-440		9 48	-1.6	-2.9	1.8	6.9	8.1	9.7	15.8	20.2	21.0	18.6	6.8	-2.4	-3.5	-3.7	19.2
AA-105-441	04 FEB 81	8 22	4.5	9.2	8.4	9.6	11.9	15.7	19.3	20.9	23.2		19.0	15.7	12.7	10.0	38.3
-442		8 23	8.0	13.9	14.3	16.5	18.1			22.4				17.3		12.4	36.4
-443		8 27	2.3	9.7	10.7	13.4	16.4							18.3	15.5	13.1	32.8
-444		8 28			10.8											13.0	37.8
-445		8 30			11.5	12.9	15.4							19.5	17.0	14.0	37.3
AA-106-446		8 38	-4.8	-6.2	-2.9	3.5	9.6	11.0	13.5	15.7	18.2	13.0	.8	-6.1	-7.9	-9.8	37.1
-447		8 40	-2.2	-4.2	-.9	5.1	9.1	14.9	20.2	22.0	24.2	20.9	6.4	-1.1	-3.6	-5.4	32.6
-448		8 41	-2.7	-4.4	-2.2	3.7	14.0	16.6	19.8	21.6	24.2	18.5	4.9	-2.2	-4.1	-6.0	37.1
-449		8 43	-3.7	-6.3	-3.9	1.0	8.0	11.5	15.8	17.9	19.8	16.9	3.1	-5.9	-8.6	-9.3	36.2
AA-106-455	12 FEB 81	13 56	.3	-2.2	-1.7	1.6	9.8	13.5	21.1		29.6		19.3	7.7	5.5	4.4	34.4
-456		13 58	4.1	1.0	1.3	4.4		16.4	25.5		33.2		22.8	14.7	14.6	13.6	35.3
-457		14 1	-1.1	-3.3	-2.6	1.5	9.6	13.6	21.6							5.1	34.4
-458		14 6	1.2	-1.6	-.6	2.0		15.2							11.0	8.6	33.1

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TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-DB1

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E98

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-106-403	13 JAN 81	8 23	-3.8	-6.8	-8.5	-9.2										1.8	-4.1
-405		8 26	-9.6	-11.3	-11.8	-12.4										-2.7	-8.4
-406		8 27	-12.2	-14.9	-15.3	-14.5	-24.8									-10.4	-17.4
-410		8 45	-10.9	-13.7	-13.9	-14.5	-25.1									-10.3	-17.0
-411		8 47	-6.9	-8.1	-8.8	-9.3										-.1	-5.3
-412		8 50	-10.0	-12.8	-12.5	-12.7	-23.9									-9.4	-16.0
-418		13 31	.6	-1.7	-3.2	-6.6										3.7	-.8
-419		13 35	1.3	-.6	-1.3	-1.2										6.9	2.6
-420		13 37	.3	-3.4	-7.5	-10.2										1.4	-3.8
-421		13 39	3.1	.7	-1.6	-3.6										7.3	2.4
-422		13 40	-1.3	-4.2	-5.8	-6.4										3.8	-1.2
-423		13 42	3.2	.6	-1.8	-4.5										7.1	2.0
AA-105-424	15 JAN 81	8 19	17.4	13.9	11.9	8.8	1.2									15.3	10.1
-425		8 21	16.4	13.1	10.5	7.3	-.2	-12.8								6.8	.0
-426		8 22	17.8	15.1	12.8	9.7	1.7									15.7	11.0
-427		8 23	18.0	13.8	11.5	8.2	.7									14.8	9.6
-428		8 25	13.3	10.6	8.0	4.6	-2.9	-13.0								6.6	-.4
AA-106-429		8 33	13.1	11.5	7.7	1.9	-6.3									6.4	2.5
-430		8 34	15.5	12.9	9.8	5.3	-3.7									9.0	5.1
-431		8 36	13.8	8.9	4.2	-1.9	-11.3									2.0	-2.2
-432		8 37	12.2	8.7	5.4	1.3	-6.0									6.4	2.6
-433		8 39	12.3	9.1	5.6	1.4	-8.1									4.9	.8
AA-106-438	03 FEB 81	9 38	-4.6	-1.1	4.9											3.4	.1
-439		9 43	-.9	1.9												8.8	5.4
-440		9 48	-5.1	-2.9	3.2											4.9	.6
AA-105-441	04 FEB 81	8 22	8.3	6.9		3.3	-3.7	-12.2								7.2	.4
-442		8 23	10.9	8.6				-9.6								10.7	3.9
-443		8 27	11.2			3.8	-4.2	-10.9								7.9	1.4
-444		8 28	11.3													21.7	19.1
-445		8 30	11.2	9.2												18.6	15.6
AA-106-446		8 38	-11.4	-10.1	-8.6	-6.1										-1.3	-6.5
-447		8 40	-7.6	-6.0	-3.8	-.6										2.7	-2.1
-448		8 41	-7.6	-7.3	-6.7	-2.8										1.6	-3.3
-449		8 43	-9.6	-8.5	-6.8	-4.0										-.2	-5.0
AA-106-455	12 FEB 81	13 56	2.2	-.8												11.2	8.1
-456		13 58	12.1	8.6												16.5	16.7
-457		14 1	1.9	-1.5	-4.0											9.8	3.8
-458		14 6	5.8													14.6	15.7

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE D99

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 25	31	40	50	63	80	100	125	160	200	250	315	400	500	SAMPLE DURATION (SEC)
AA-105-469	25 FEB 81	12 59	4.4	6.4	6.6	9.4	10.3	11.1	13.5	15.4	17.9	20.1	21.2	20.6	22.3	20.1	34.4
-470		13 1		5.2	4.8	5.7	7.6	9.0	12.6	17.1	24.0	28.6	28.3	23.7	22.9	20.1	34.9
-471		13 2			6.8	7.1	7.9	7.7	10.8	14.8	23.8	31.2	30.8	26.9	26.7	24.4	10.8
-472		13 4		5.5	4.2	5.3	6.8	7.9	11.0	16.2	24.6	29.5	30.5	26.0	25.9	22.5	33.5
-473		13 5		4.2	3.5	5.7	7.7	8.2	13.3	18.8	25.1	28.9	29.1	26.5	27.4	24.5	16.9
AA-106-464		8 33	9.0	9.4	9.4	9.9	12.1	10.6	16.2	22.3	30.0		35.8		28.3	23.9	31.3
-465		8 34		10.1	10.4	10.7	14.2	13.9	19.4	24.6	30.6				29.2	25.5	33.1
-466		8 36		9.4	8.9	9.0	11.6	10.1	15.4	21.5	31.2		35.5	29.7	28.7	24.3	33.5
-467		8 37		10.2	11.4	13.0	16.7	14.6	19.6	25.1	31.3			29.6	29.1	25.0	28.2
-468		8 39		8.0	9.0	9.8	11.6	10.3	15.3	20.7	28.0		34.5	29.4	28.4	23.9	33.5
-474		13 16	9.4	8.8	7.5	7.3	9.9	8.2	11.5	17.8	24.6	29.8	28.4	24.3	23.9	20.8	35.3
-475		13 18	5.0	3.7	3.8	6.3	10.3	9.4	14.0	19.0	24.1	28.4	26.8	23.3	23.8	21.0	33.5
-476		13 19	4.9	4.1	3.2	4.3	6.5	4.6	6.4	12.0	18.0	26.3	25.1	21.5	20.6	18.0	34.4
-477		13 26	5.4	4.5	4.4	5.8	8.1	8.5	14.2	17.9	21.4	26.0	24.5	20.7	20.7	17.6	35.3
-478		13 29	7.8	8.3	7.8	8.9	10.7	11.0	14.5	19.0	25.2	28.8	27.8	23.8	23.3	20.7	34.0
AA-105-479	27 FEB 81	7 15	-1.8	-5.3	-7.8	-6.7	-1.1	-.1	6.8	16.8	28.2	33.5	31.2	17.2	14.8	14.1	34.4
-480		7 17	-1.6	-5.0	-7.7	-6.4	-1.2	-.5	6.2	15.8	28.3	34.3	28.2	14.7	13.8	12.2	34.4
-481		7 18	-1.6	-5.2	-7.6	-6.5	-1.1	-.3	6.4	15.5	27.6	35.2	31.5	16.5	15.9	14.5	34.4
-482		7 20	-2.3	-5.0	-7.4	-6.0	-.6	-.2	6.3	15.7	28.1	35.5	31.6	17.5	15.8	16.4	34.4
-483		7 21	-2.0	-5.5	-7.9	-6.4	-1.1	-.7	5.9	15.1	28.0	34.7	30.9	16.8	17.5	14.1	34.0
-489		7 43	-2.8	-5.7	-7.8	-5.7	-.9	-.8	4.6	12.4	23.2	23.8	26.6	22.7	13.8	12.2	33.5
-490		7 45	-2.9	-6.0	-7.9	-5.7	-1.1	-.3	5.4	14.6	21.5	20.8	25.5	20.7	14.4	10.7	34.4
AA-106-485		7 29	4.2	2.5	1.9	1.7	4.0	3.5	9.9	19.3	26.4		37.9		25.4	21.1	33.1
-486		7 31	4.5	2.9	1.5	1.3	3.3	2.4	10.2	20.4	29.3		37.3	27.6	23.3	17.5	34.4
-487		7 32	4.0	2.3	.6	.3	2.5	2.4	9.3	19.1	26.8		36.4		21.3	14.9	35.3
-488		7 34	4.7	2.3	1.6	1.1	3.1	2.3	9.0	17.7	24.8		38.4		23.4	18.4	34.4
-491		7 51		9.6	11.0	11.5		18.5	23.2	27.7	31.4		37.5		27.2		34.9
-492		7 53		10.6	11.8	12.0		16.5	21.7	28.2			37.1		27.9	27.2	36.2
ESA STATISTICS:																	
MINIMUM			-11.1	-12.4	-12.1	-10.6	-10.2	-10.4	-8.7	-4.2	-2.7	1.6	-7.4	-13.6	-13.1	-13.4	-29.4
MAXIMUM			13.5	16.5	17.7	25.5	26.8	32.8	38.2	39.5	40.7	43.0	38.4	34.1	36.5	32.4	47.6
AVERAGE			.2	1.8	3.4	5.2	6.5	10.2	14.1	18.9	22.5	23.4	21.4	14.3	13.2	10.8	31.8
STANDARD DEVIATION			5.2	6.3	6.9	7.6	7.1	8.3	8.4	9.4	9.3	9.2	10.9	11.6	11.9	11.0	5.7
NUMBER OF DATA POINTS			256	290	304	281	241	275	261	263	254	211	255	253	283	293	328

TABLE: EXCESS SOUND ATTENUATION (DB) BASED ON LEQ (1/R + ABS NORMALIZED)
LISTING LIMITED TO DATA WHICH SATISFY PARAMETERS
DISTANCE FROM SOURCE 2377 METERS

IDENTIFICATION:
OMEGA 13.1
TEST AA-BOB-081

PARAMETERS:
ALL DATA LISTED

DATABASE:

DISTANCE 2377 M

DATE 02 FEB 87
PAGE E99

TEST NO.	DATE	START TIME HR-MN	1/3 OCTAVE BAND FREQUENCY (HZ) 630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	OASPL (DB)	AL (DBA)
AA-105-469	25 FEB 81	12 59	16.5	12.3	10.2	5.9	-2.8	-14.0								6.3	.0
-470		13 1	17.0	13.4	11.5	8.3	2.9									15.0	12.6
-471		13 2	21.1	17.7	16.1	13.5	7.5									16.0	17.0
-472		13 4	18.6	15.1	13.1	10.3	4.9									15.0	14.6
-473		13 5	21.3	18.1	15.8	13.1	6.5									16.6	16.7
AA-106-464		8 33	18.6	13.7	10.2	7.3	.1									16.5	10.1
-465		8 34	20.1	14.5	10.9	8.6	1.1									18.2	11.1
-466		8 36	18.7	13.6	10.3	7.8	.7									16.7	10.6
-467		8 37	19.7	14.8	11.9	9.6										21.9	17.7
-468		8 39	18.7	14.2	10.8	7.7	-.9									15.5	9.2
-474		13 16	17.5	13.4	10.7	9.7	6.2									16.0	14.6
-475		13 18	16.9	12.3	9.9	8.5	4.2									16.2	13.1
-476		13 19	14.0	8.4	5.3	3.2	-1.6									11.1	7.8
-477		13 26	13.8	9.7	6.4	4.0	.7									14.3	10.0
-478		13 29	17.2	13.3	10.6	9.7	6.2									17.3	14.5
AA-105-479	27 FEB 81	7 15	13.6	10.6	10.3	3.4	-.4	-4.4								8.9	6.9
-480		7 17	12.8	11.8	11.1	5.1	1.7	-1.4								9.2	8.8
-481		7 18	11.7	12.3	11.4	7.5	2.7	.6								9.7	10.2
-482		7 20	11.6	10.4	11.0	4.7	1.2	-1.5								9.5	8.7
-483		7 21	12.8	12.1	9.5	5.2	2.1	-1.1								9.5	9.2
-489		7 43	9.4	6.2	4.9	3.4	-1.2	-4.6								7.9	6.0
-490		7 45	8.2	4.4	3.1	2.4	-3.7	-6.5								7.4	4.3
AA-106-485		7 29	16.2	10.1	4.1	1.6	1.2	-5.5								10.9	5.1
-486		7 31	8.0	1.0	-2.7	-4.3	-6.8	-10.5								6.6	-.8
-487		7 32	6.5	-.2	-4.1	-5.6	-8.2	-12.7								5.9	-2.4
-488		7 34	12.1	6.1	2.5	-1.2	-2.9	-6.9								8.8	3.0
-491		7 51														25.0	35.8
-492		7 53		20.7												24.9	29.4
ESA STATISTICS:																	
MINIMUM			-12.2	-14.9	-15.3	-14.5	-25.1	-19.8	-21.0	-21.4						-10.4	-17.4
MAXIMUM			30.5	27.8	25.4	24.8	22.1	21.2	2.7	-7.0						36.8	49.1
AVERAGE			8.4	6.2	4.5	2.5	-.5	-4.1	-10.6	-15.6						11.8	9.3
STANDARD DEVIATION			10.2	9.5	8.5	8.2	8.1	8.2	7.0	5.2						9.3	12.9
NUMBER OF DATA POINTS			295	292	265	261	211	164	33	5						322	322

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END

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